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★ JAN 14 1928 ★
U. S. Department of Agriculture.

Bolgiano's
Monumental Tomato

Packet, 25 cents
Ounce, 50 cents
Quarter Pound, $1.75
Pound, $6
POSTPAID

110th Annual
BOLGIANO
of Baltimore
Garden Guide 1928

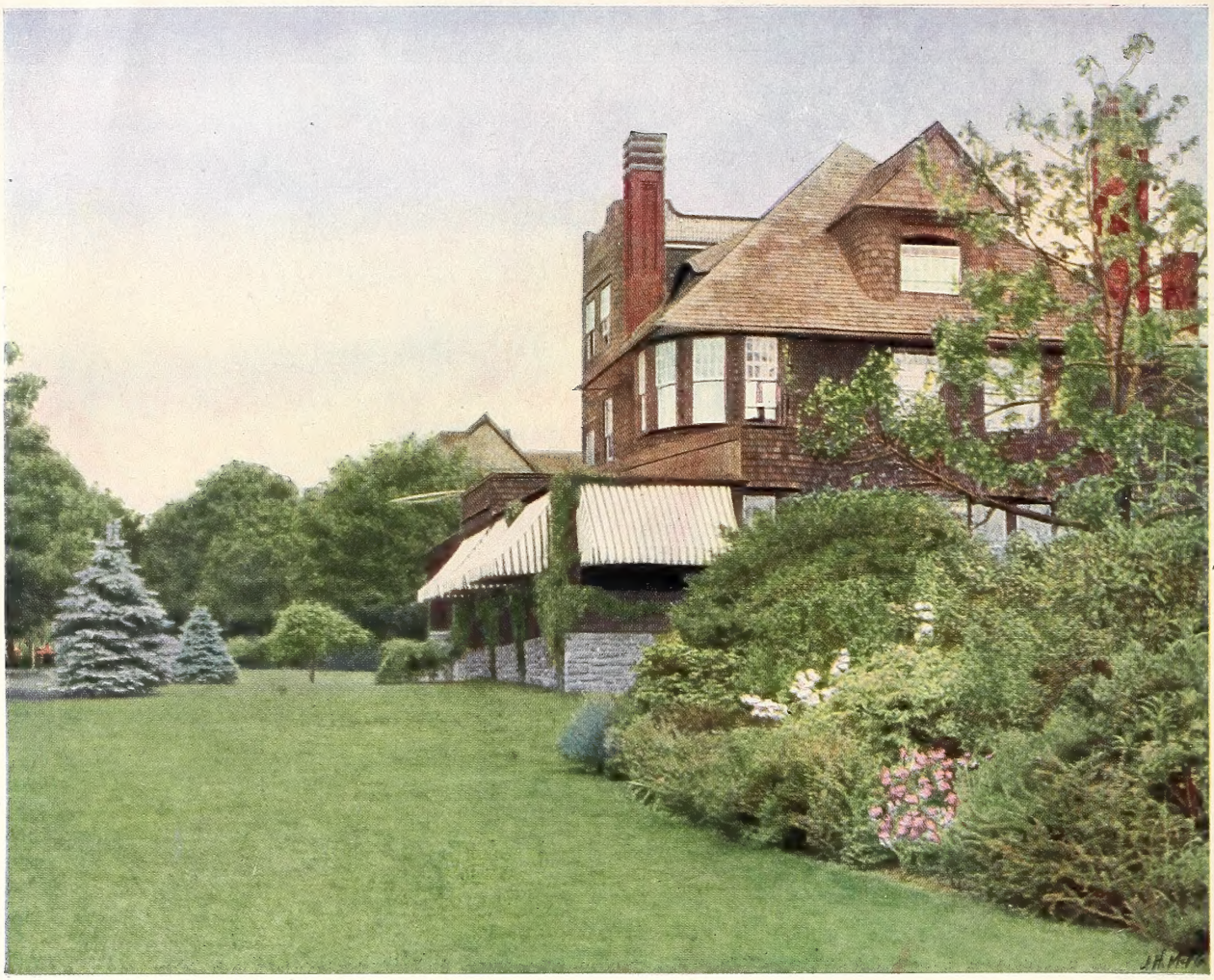
D. N. Shoemaker

Bolgiano's
Improved
Junior Rocky Ford
Cantaloupe

Packet, 20 cents
Ounce, 35 cents
Quarter Pound, 75 cents
Pound, $2
POSTPAID

The
J. BOLGIANO SEED CO.
LIGHT STREET AT PRATT
Baltimore, Md.

D. N. Shoemaker



Druid Hill Park Velvet Green Lawn Grass Seed

Bolgiano's Druid Hill Park Velvet Green Lawn Grass Seed, from yearly comparative trials, has proved to be unsurpassed for first-class and permanent results. This is due to the fact that we use only the very finest varieties of the most suitable grasses, thoroughly recleaned, free from all chaff and weed seeds.

It contains a well-balanced blend of various American and foreign fine-bladed and deeply rooting grasses which has produced the very best results under the varied conditions as to soil and climate met with in America.

This seed will produce a green, smooth, velvety sod with a thick bottom and free from such varieties of common grasses as produce clumps and knots on the lawn, which so frequently spoil the desired smooth and deep effect. Lb. 40 cts., 3 lbs. $1.15, 5 lbs. $1.75, 20 lbs. $6.50, 100 lbs. $30. Delivered free in United States by parcel post, freight, or express, our option.

Bolgiano's Shady Nook Lawn Grass Mixture

Usually it is quite difficult to obtain a satisfactory growth of grass under trees and in shady places. For sowing in such places we recommend the use of this special mixture. It will quickly produce an abundant and even growth of beautiful green grass. The grasses used in making this special mixture are only those that are well adapted for growing in shade, and as it blends well with our Druid Hill Park Velvet Green Lawn Grass Seed it may be used on those portions of the lawn which are shaded by trees, buildings, etc., thus covering the whole area with a rich green sward. Lb. 45 cts., 3 lbs. $1.25, 5 lbs. $2, 20 lbs. $7.50, 100 lbs. $35. Delivered free in the United States.

Bolgiano's Permanent Terrace and Slope Mixture

Realizing the difficulty experienced by the majority of lawn-makers in getting a thick turf which will hold the soil on terraces and high slopes and prevent washing by heavy rains, we have, after much experimenting, established a mixture which admirably fills this need.

This mixture has been carefully blended so as to contain various grasses of rapid, dense, even growth and strong root systems, which will insure a permanent, beautiful slope. Lb. 50 cts., 3 lbs. $1.45, 5 lbs. $2.25, 100 lbs. $40. Delivered free in United States.

Above mixtures should be used at the rate of 1 pound to 200 square feet, 100 pounds to the acre

White Dutch Clover

This is the best Clover for lawns, as it forms a close herbage and remains green throughout the season. It is also a very valuable mixture with grass seed for pasture. Sow in the spring at the rate of 6 pounds per acre, when sown alone; one-half the quantity when sown with other grass. ¼lb. 20 cts., ½lb. 35 cts., lb. 65 cts. Delivered free in United States.

To Our Many Valued Friends

WE cordially greet you at the beginning of another season; and again express our thanks for your bountiful patronage during the past.

We endeavored to please you in every way and feel fully repaid for every effort put forth, considering your many thoughtful letters received commending our quality and service.

Your comments and suggestions are highly valued and proved to be the major part of our best material for laying the foundation of plans, to serve well a far greater number of satisfied customers during the Season of 1928.

Stocks of true type, high germinating seeds, and complete lines of the best of everything for the garden are in store for you.

As a safeguard in maintaining efficiency and insure prompt and courteous attention to your inquiries and orders, we have enlisted the services of additional men of practical experience.

We honor your confidence, and extend best wishes for a healthy and prosperous season.

THE J. BOLGIANO SEED COMPANY

BALTIMORE, MARYLAND

600 Bolgiano's Monumental Tomato

See Illustration on Front Cover

The excellent reports and increased demand for this Tomato certainly justify our giving it first place among the best varieties offered to our trade again this season.

In dry and irrigated sections, it has excelled all other varieties, due to its strong vine growth which well protects the fruit.

The Monumental comes to maturity just a few days later than the extra early varieties, is an exceptionally heavy yielder bearing throughout the season, holding its size to the last picking. It is large, solid, with no core and very small seed cavity. Almost perfectly round or globe shape with very slight, almost imperceptible indentation at the stem and none at the blossom end. A beautiful brilliant red, it colors evenly to the stem. It bears its fruit in clusters well to the centre of the hill. Its keeping qualities are unequalled, green fruit taken from the vines ripened up perfectly after having been picked for two and three weeks making it an ideal variety for long distance shipping. Market Gardeners have found it to be the best all-season variety; many growers report as much as fifteen tons of tomatoes to the acre. Our friends in the canning industry say it is the best they have ever used, giving exceptionally large yields of perfect fruit. Our Texas friends state it is the best tomato ever seen in The Rio Grande Valley. Pkts., 25c. Oz. 50c. ¼ lb., $1.75. Lb., $6.00. Postpaid.

Bolgiano's Improved Junior Rocky Ford Cantaloupe

See Illustration on Front Cover

Through careful reselection and breeding, we offer an Improved Junior Rocky Ford Cantaloupe.

It has a deeper stripe, is more thick and roughly netted, a most popular and uniform size, a thicker and finer meat of attractive salmon color.

The vines are resistant to blight to such an extent that fields after the season is over have the same healthy appearance as they had at the beginning. This stock is your assurance of a good crop of best quality cantaloupes the season through. Pkts., 20c. Oz., 35c. ¼ lb., 75c. Lb., $2.00. Postpaid.

Salad Broccoli

This is a variety of Broccoli which has come into prominence within the last two years, especially on the eastern shore of Maryland and Delaware, and is taking the place of Hardy Winter Borecole in many other sections, it has proven a very profitable crop.

Cultural Suggestions

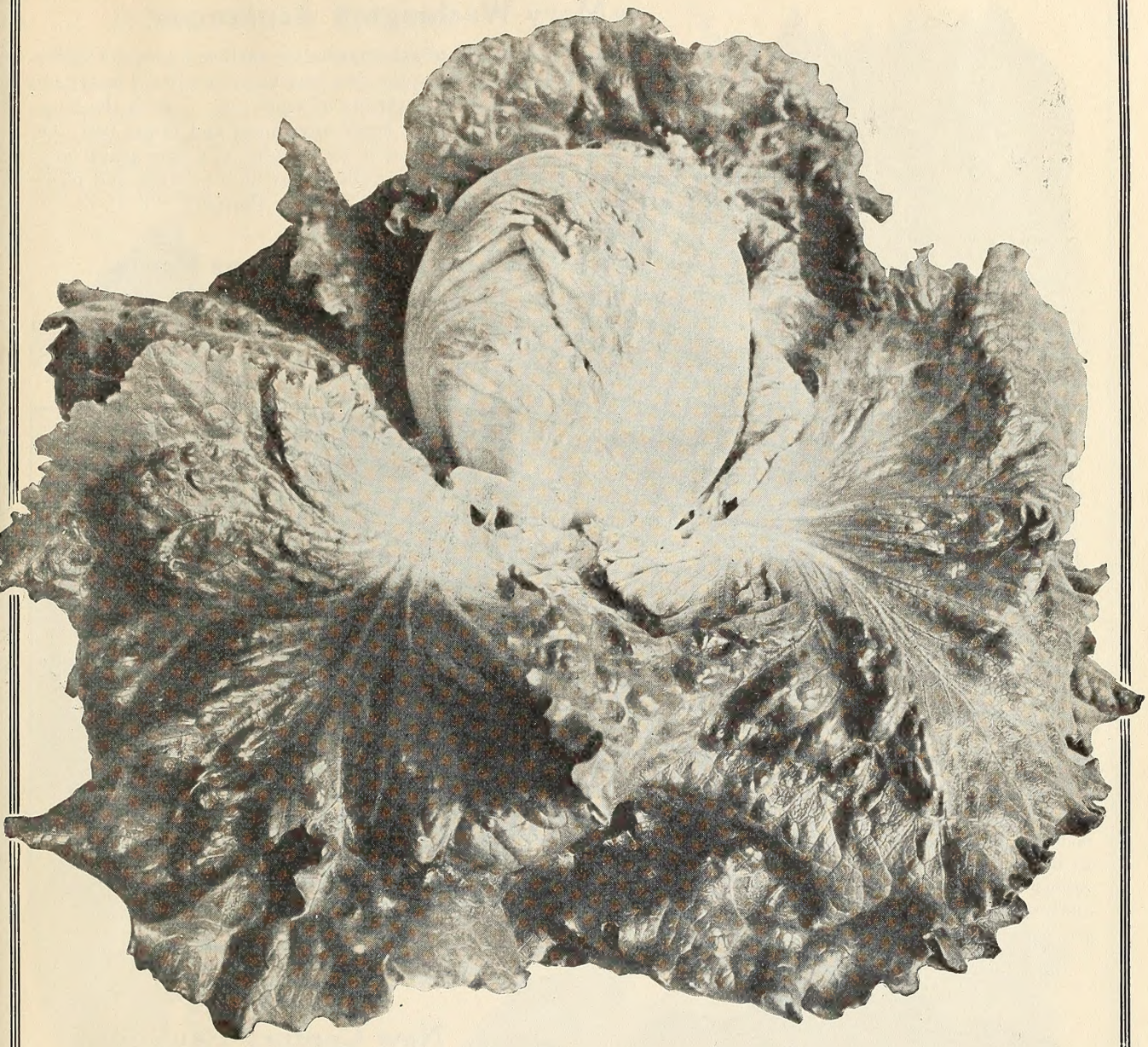
For Salad Broccoli

Select a good piece of land, medium soil, plow thoroughly. Drill in about 4 to 500 lbs. of a high grade fertilizer. Sow in rows from 30 to 32 inches apart. It is best to use a seed planter. Sow to depth of ½ inch. Use about 2 lbs. per acre. Sow from the 10th to the 20th of August. Cultivate 2 or 3 times in Fall.

In cold weather the tops will die down. As soon as it begins to get a little warm in February use a top dressing of Nitrate of Soda or some quick acting fertilizer. Cultivate after putting the top dressing on. The leaves may be cut and shipped to northern markets like New York City, commanding a fine price.

About middle of March it will begin to stalk up with several shoots on each stalk with green blossoms. When stalks get about 8 inches high cut and tie in bunches like asparagus with one and one-half lbs. per bunch. Ship in crates 2 dozen bunches per crate. If weather is warm cutting will commence around the middle of March and last until around the 10th of April. If weather is warm can be cut 2 to 3 times per week.

After cutting is over the land then can be used for other crops. Pkts., 25c. Oz., 50c. ¼ lb., 75c. Lb., $2.50. Postpaid.



Bolgiano's Superior Stock
of
New York or Wonderful Lettuce

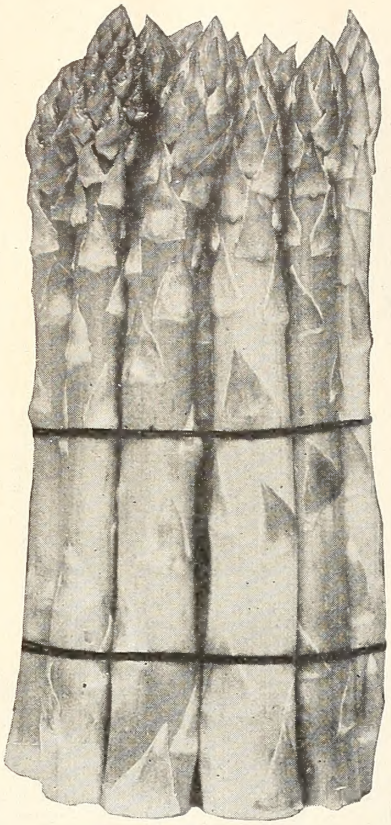
This variety is rapidly taking the place of many of the best of the older types.

It produces an exceptionally large deep head, is very solid, the outer leaves are of medium green color and fringed, giving it a very attractive appearance, while the center ones are very white, and form into a solid compact head.

It is very brittle and of fine flavor, and has proven an excellent variety for shipping to distant markets, due to its excellent keeping qualities.

The home gardener who plants this variety will always have a treat for his table, and the market gardener is sure to find it profitable.

Pkts., 10c. Oz. 25c. ¼ lb., 75c. Lb., $2.00. Postpaid.



Washington Asparagus

604 Mary Washington Asparagus

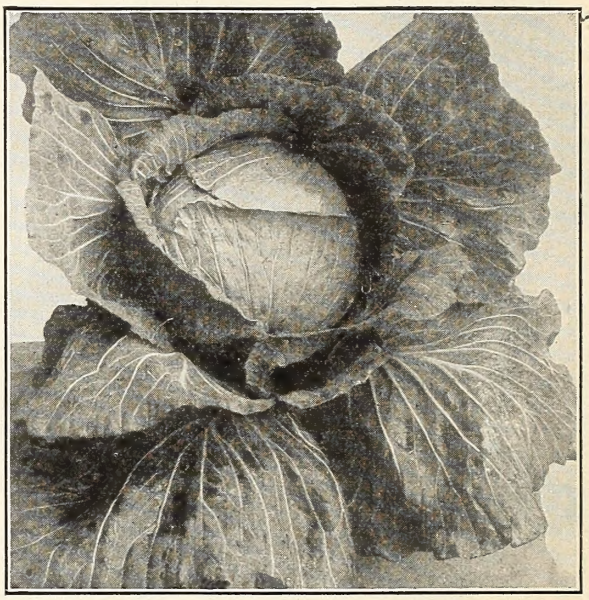
Mary Washington is the ideal asparagus; it is earlier, has larger stalks, is more prolific, and possesses high rust resistance, and will net more money to the acre than any other variety of asparagus. This is the latest of the Washington Rust Resistant types introduced and is the best. On account of its quick growing habit it is very tender, of a deep green color with a purple tinge. The flavor is excellent, having a peculiar and pleasing sweetness. Oz., 20c. ¼ lb., 65c. Lb., $2.00. Postpaid.

Mary Washington Asparagus Roots

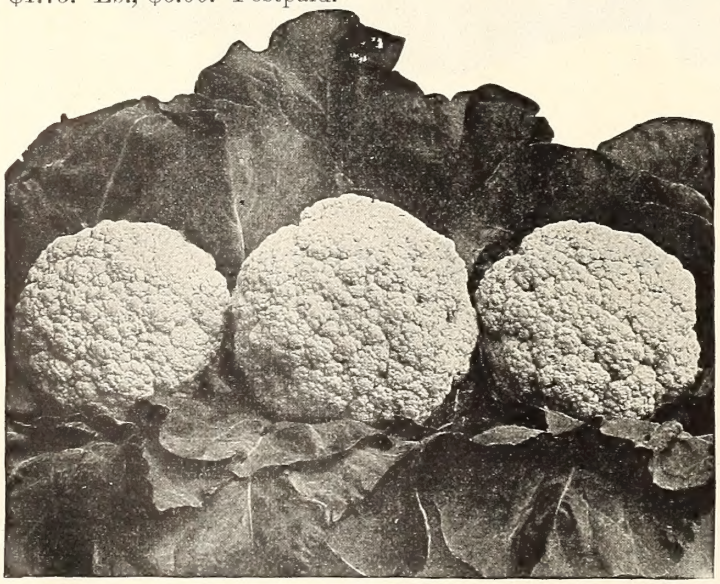
1 doz., 50c. 50 for $1.25. 100, $2.00. Postpaid.
1000, $12.00. Transportation to be paid by customer. Write for special prices on larger quantities.

596 Golden Acre Cabbage

This new extremely early round-headed variety has been given a very appropriate name, as it is a most profitable cabbage to grow. It is about 10 days' earlier than Copenhagen Market which it very much resembles except in size, it being smaller. Heads are medium size, round, very solid and uniform and of fine quality. Dwarf compact growth with few outer leaves which admits of close planting. The Market Gardener who does not plant this Cabbage is missing an opportunity to make money, and the home gardener a treat as this cabbage when served as slaw is simply delicious, having a distinct sweet and mild flavor. Pkt., 25c. Oz., 50c. ¼ lb., $1.75. Lb., $6.00. Postpaid.



Golden Acre Cabbage



Bolgiano's New Century Cauliflower

54 Bolgiano's New Century Cauliflower

Is by far the best Cauliflower you can plant. If you grow Cauliflower give it a trial. Large growers who have tried it by the ounce are now buying it by the pound.

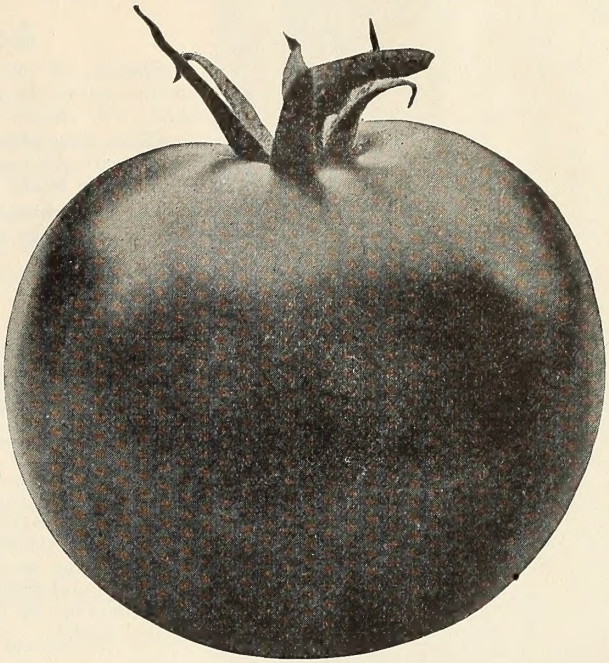
It heads when others fail. Large, perfect heads, measure from 12 to 14 inches in diameter, are compact, deep and solid and will outweigh those of any other strain. It is the earliest of all Cauliflower. One-third more can be planted on the same space than can be done with other varieties because of its close growing, compact habit. Pkt., 25c. ½ oz., $1.50. Oz., $2.50. ¼ lb., $8.00. Lb., $30.00. Postpaid.

609 Mar Globe Tomato

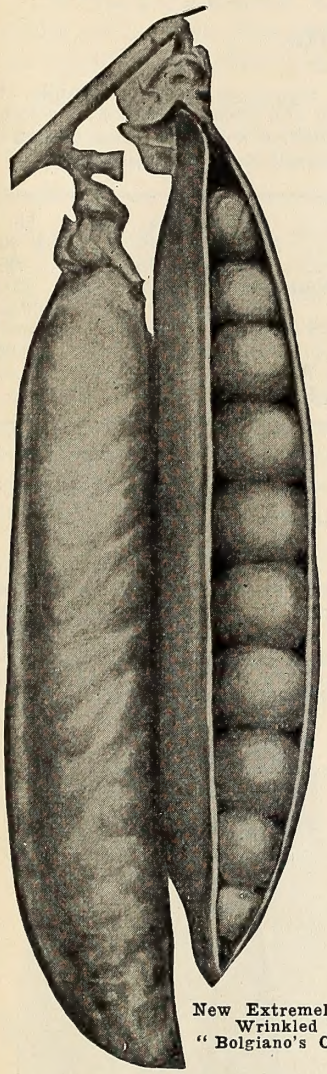
This new tomato is the result of the efforts of Dr. F. Pritchard of The United States Department of Agriculture who has succeeded in producing a perfectly globe-shaped tomato of a most beautiful Red color. It bears an abundant crop of good size fruit which ripens well up to the stem. It is a second early sort and has proven to be disease resistant in the sections where tomato diseases are most prevalent.

Our seed was grown under our most careful tomato growing conditions and was grown from original stock seed.

Packet, 25c. Oz., 50c. ¼ lb., $1.50. Lb., $5.00. Postpaid.



Mar Globe Tomato



New Extremely Early Wrinkled Pea "Bolgiano's Climax."

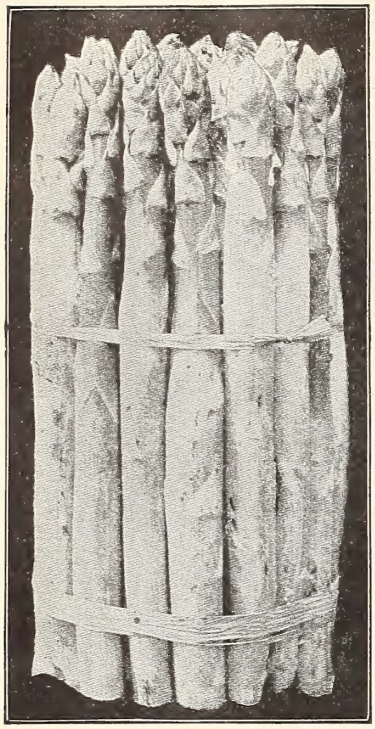
1311 New Extremely Early Wrinkled Pea "Bolgiano's Climax"

A splendid companion to our Famous Early Bird Pea. The vines are dwarf, growing only about 18 inches high, well filled with handsome long dark green pods, measuring from 4 to 4½ inches in length, filled to the very ends with large dark green peas of the finest quality. It is a week or more earlier than Thos. Laxton with pods at least an inch longer. We believe this pea to be the earliest large podded dwarf wrinkled variety yet introduced. 1 lb., 50c. 2 lbs., 90c., postpaid. Not postpaid 15 lbs., $4.50, 100 lbs., $25.00.

608 Reselected Longstanding Savoy Spinach

Here is a variety of Spinach which will fill a long felt want for a variety especially good for spring sowing as it will not shoot to seed like many of the other varieties. It can be grown successfully throughout the summer. The leaves are of that attractive dark green that is so much desired, and are thick, beautifully curled and crinkled and of the finest quality. Oz., 10c. ¼ lb., 20c. Lb., 50c. Postpaid.

Reselected Longstanding Savoy Spinach



Asparagus

All Prices Subject to Change Without Notice
We Pay Postage on Pkts., Ozs., ¼ Lbs. and Pounds of All Vegetable Seeds

Asparagus Seed

Asperge—*Esparrago*
Spargel

1. **Palmetto.** Is very early, large yielder, and very regular and even in growth. Average bunches contain 15 shoots, measuring 13½ inches in circumference; weighs 2 pounds. It is equally well adapted for all sections. Its quality is unequaled.

583. **Giant Argenteuil.** A variety adapted to all climates and soils. Produces white stalks tinged with greenish purple at the top, of mammoth size and often weigh one-quarter pound each. Very tender and delicious.

604. **Mary Washington.** Latest development of the Washington Types, rust resistant with exceptionally large shoots of fine flavor.

Asparagus Roots

Plant either in Spring or Fall

Directions. Select a good sandy loam, plow the ground as deep as possible, dig trenches 4 ft. apart, and 14 to 18 inches deep, put in a layer of 4 inches of good strong stable manure, and press down; cover manure with about 1 inch of soil then place crowns 15 inches apart with roots straightened, then cover roots or crowns to level of land.

Disinfection of bean seeds by dusting with 2 ounces of Semesan per bushel of seed destroys surface-borne seed diseases, prevents seed rotting in the soil, increases stand and yield. Complete instructions in Semesan Vegetable Booklet.

ASPARAGUS SEED	Pkt.	Oz.	¼ Lb.	Lb.
Palmetto	$ .10	$ .15	$ .25	$ .90
Giant Argenteuil	.10	.15	.25	.90
Mary Washington Rustproof	.10	.20	.65	2.00
		100		1000 Not
ASPARAGUS ROOTS		Postpaid		Postpaid
Palmetto		$1.50		$ 9.00
Mary Washington Rustproof		2.00		12.00

Large Fine Healthy Roots. Special prices for larger lots.

Green Podded Bush Beans

Haricots
Habichuela
Bohnen

Seed Beans Weight by Parcel Post Including Packing: Pint, 2 lbs. Qts., 3 lbs. 4 Qts., 9 lbs. Pk., 17 lbs. 1 lb. to 100 feet of drill, 60 lbs. to the acre

Culture. Beans are somewhat tender, but it often pays to take some risk. Plant in warm, loamy soil at the beginning of settled, warm weather in Spring, and at intervals for succession until August. Rows may be made 2 feet apart, and the beans planted not more than 1 inch deep and several inches apart in the drills, or 3 or 4 beans in hills 6 to 8 inches apart. Cultivate and hoe frequently, always, however, when the vines are perfectly dry. In hoeing draw the soil up towards the rows or plants. For String Beans, gather the pods clean as fit for use. The plants will remain all the longer in bearing.

1008. **Giant Stringless.** This is a great improvement on the old-time popular favorite Valentine Bean. The pods are fully one-third longer, averaging 5 to 6 inches in length; absolutely stringless, very crisp, round, full and fleshy. It is enormously productive, its handsome pods being ready for market a few days later than old Valentine. We confidently recommend it either for the home garden or as a profitable variety to grow for market.

1009. **(Burpee's) Stringless Green Pod Beans.** Crisp, tender, luscious flavor. Handsome light green. Pods are full, fleshy and produced in great abundance, remaining green on vines in an edible condition longer than any other bean known.

1301. **Full Measure.** A very fine round podded stringless variety. Pods are long, solid and meaty, borne in great quantities on the heavy light green foliage. A very desirable bean for a late crop.

1011. **Bountiful Beans.** An extremely early prolific bean. The pods are long, flat, tender and stringless. A splendid variety for the garden or for shipping.

1003. **Stringless Refugee Round Green Pod.** Has pods of a beautiful, attractive, light green color, round, tender and of a luscious flavor.

1013. **Black Valentine Beans.** Very popular because of its earliness and being unusually hardy. It can be planted very early and marketed at extra high price. Pods grow round and straight about six inches long, of medium green color, have excellent flavor and are very tender when young: a good shipper.

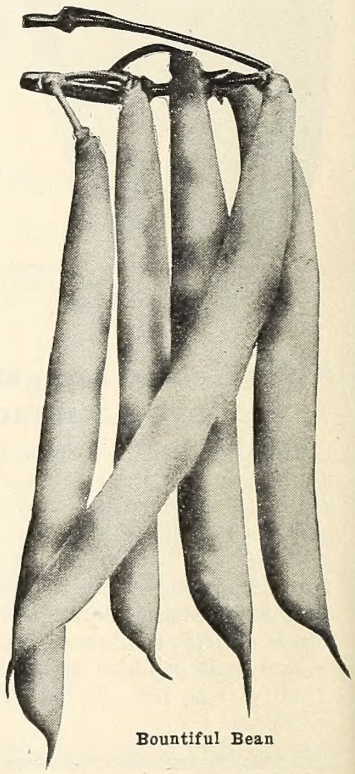
1004. **Late Refugee or 1,000 to 1.** Exceedingly productive; for medium and late use. The young pods are tender and of fine flavor; the color is a silver green. Pods are round and slim.

1001. **Bolgiano's Early May Queen Beans.** The most prolific early bean in cultivation. Produces long, round, straight, dark green pods over six inches long and very tender. A high price because of its earliness. This variety should not be overlooked by the market gardener who plans to receive high prices for early crops.

1007. **Bolgiano's Earliest Red Valentine Beans.** Hopkins Strain: Matures one week earlier than other early green pod varieties. Produces a very meaty round rather dark green pod about four and one-half inches long, and curved. A good yielder that commands the earliest high prices.

1010. **Dwarf Horticultural or Cherry Bean.** A crop of these beans has never failed to pay. This is a broad, long, flat, meaty bean, very productive, delicious flavor. It also makes a good dried bean for Winter.

1300. **Tennessee Green Pod.** Prolific, but a tender variety. Foliage dark green, leaves large and crumpled. Pods 5 to 5½ inches long, flat, irregular in shape, light green and of good quality.



Bountiful Bean

Wax Pod Bush Beans

We supply Pkts. of all Beans at 10c each, postpaid

1288. **Bolgiano's Best Yet Stringless Wax Beans.** Beautiful, lemon-yellow wax pods, without rust or blight. Absolutely stringless. A wonderful yielder.

1031. **Pearl Wax Beans.** A distinct, enormously prolific growing Bush Wax Bean. Every grower should try it. It will soon become a popular and lucrative variety to grow. Will not rust in the wettest kind of weather.

1183. **Trucker's Reward, Bolgiano's Flat Wax Bean.** One of the most valuable and important Bean introductions in many years. Unequaled as an enormous beautiful crop producer and money maker.

1079. **Hodson Wax Beans.** A very sturdy grower, prolific; free from rust and blight. Vigorous plants are loaded with long, handsome, straight pods, averaging 7 inches in length; color of a clean, light yellow. When picked young they are stringless.

1021. **Round Podded Kidney Wax Bean.** (Brittle Wax.) This handsome wax-podded bean is an improved Wardwell's Kidney Wax, besides having that popular variety's luxuriant growth, it is entirely stringless. The pods are long, straight and extremely handsome. It is an exceedingly heavy bearer, and is fully as early in maturing as the Wardwell's Kidney Wax, and is of excellent quality.

1019. **Currie's Rust-Proof Wax Beans.** Is the earliest to mature of either the Green or Wax Beans. Its beautiful, pure golden, long flat pods of extra fine quality are borne in abundance and attract the admiration of both the planter and the consumer. Entirely free from rust and blight. Very profitable for the early trucker.

1022. **Davis Kidney Wax.** The King of Flat Wax Beans. A beautiful form, handsome long pods, attractive color, luscious flavor, prolific yielder, rust-proof, excellent shipper.

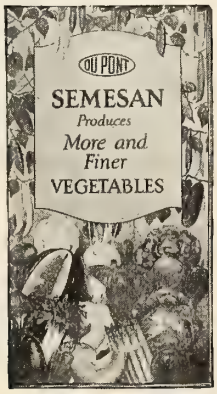
1292. **Sure Crop Stringless Wax Beans.** Vines are tall, rather bushy, loaded with delicious, rich yellow beans six to seven inches long. Stringless at all stages of growth. The kind that sells when other varieties will not.

Sure Crop Stringless Wax Beans

Currie's Rust-Proof Wax Beans

1026. **Goden Wax Improved.** Early, vigorous and a bountiful yielder of beautiful tender pods. The vine grows 1½ feet high, holding the pods well off the ground. The pods are shapely, flat and large.

Dust your seed beans with Semesan, 2 ozs. to the bushel



See Page 68

We pay postage on 1 and 2 lbs. Larger quantities Postage extra. 5 lbs. sold at 15-lb. rate; 30 lbs. or over at 100-lb. rate. F. O. B. Baltimore.

GREEN PODDED BUSH BEANS (Pt.) (Qt.) (Pk.)	Pkt.	1 Lb.	2 Lb.	15 Lb.	100Lb.
Giant Stringless	$.10	$.45	$.85	$3.50	$22.00
Burpee's Stringless	.10	.45	.85	3.30	20.00
Stringless Refugee Green Pod	.10	.45	.75	3.50	22.00
Black Valentine	.10	.40	.75	2.75	16.00
Late Refugee or 1000 to 1	.10	.40	.75	3.30	20.00
Early May Queen	.10	.35	.65	3.00	17.00
Ex. Ea. Red Valentine	.10	.40	.75	3.00	18.00
Dwarf Horticultural	.10	.45	.85	3.30	20.00
Bountiful	.10	.45	.85	3.50	22.00
Tennessee Green Pod	.10	.40	.75	3.30	20.00
Full Measure	.10	.40	.75	3.50	22.00
White Navy or Pea	.10	.20	.35	1.80	10.00
WAX POD BUSH BEANS					
Best Yet Stringless	.10	.45	.85	3.50	22.00
Pearl Wax	.10	.45	.85	3.30	20.00
Hodson Wax	.10	.40	.75	3.30	20.00
Round Podded Kidney Wax	.10	.55	1.00	4.50	25.00
Currie's Rust-Proof	.10	.40	.75	3.30	20.00
Davis Kidney Wax	.10	.45	.85	3.50	22.00
Sure Crop Stringless	.10	.40	.75	3.30	20.00
Golden Wax Improved	.10	.40	.75	3.30	20.00

Bolgiano's Giant Emerald Isle Pole Lima

2 Lbs. to 150 Hills, 20 to 24 Lbs. to the Acre

Pole Lima Beans

Parcel Post Rates, see Page 95

We Supply Packets of Beans at 10c each, postpaid

1032. **Giant Emerald Isle. Bolgiano's Pole Lima Bean.** This wonderful Bean is the largest podded and the heaviest cropper of all Limas. It grows green, dries green, stays green.

1040. **Early Leviathan Pole Lima Bean.** This sort is at least one week earlier than any large Pole Lima yet offered. Earliness is often obtained at a sacrifice of other features, but in this variety we claim superiority, not only in this respect, but in size of bean pod and enormous productiveness.

1041. **Improved Pole or Challenger Lima.** Each pod contains from 2 to 6 delicious Beans, so compactly placed that they make indentations in each other. Pods are produced on the vines in great clusters. The yield is continuous and abundant.

1043. **Jersey Extra Early Lima.** Is 10 days to 2 weeks earlier than any other Pole Lima, except the Leviathan. Beans exceptionally tender and delicious.

1044. **Carolina or Sieva Beans.** (The Butter Bean of the South.) Very early, productive. Its deep root system makes it a great drought resister and an excellent bean for sandy soils. The beans are smaller than the regular Limas but are juicy and buttery. Make fine shell beans.

1046. **Ford's Mammoth Extra Large Lima.** Pods are large in size, unsurpassed in quality and productiveness.

1047. **King of Garden Lima Beans.** Outrivals all other Pole Limas. Its vine has a luxurious growth, which abounds with enormous pods, often five to eight inches long and filled with five or six perfect Beans to a pod.

1224. **Carpenteria Pole Limas.** One of the longest podded and heaviest croppers of all Limas.

1045. **Extra Large Limas.** Large white Bean; very tender, equally good in Winter if soaked 10 hours before cooking.

2 Lbs. to 150 Hills, 20 to 24 Lbs. to the Acre

Bush Lima Beans

We pay postage on 1 and 2 lbs.; larger quantities postage extra; 5 lbs. sold at 15-lb. rate; 30 lbs. and over at 100-lb. rate, F. O. B. Baltimore.

Culture. Select land that is especially warm, rich and well supplied with vegetable fibre or humus. Plant as soon as the soil has become warm in Spring. Make the rows 3 feet apart and give to each plant 6 inches space in the row. A top dressing of poultry manure, ashes or some good fertilizer or some good compost around the plants will be of much benefit in hastening maturity and increasing the yield.

1058. **Improved Bush Lima.** (Burpee's.) Pods and Beans are extremely large. Plant grows more erect than Burpee's Bush Lima and is more productive.

1034. **Prolific Bush Lima.** (Wood's.) Earlier than the Burpee's Bush smaller in size of Bean. Making a larger growth than others; stems are loaded with Beans in great clusters.

1035. **Bolgiano's Enormous Early Bush Lima Beans.** This wonderful new Lima is the earliest, largest and best of all Bush Lima Beans.

1119. **Fordhook Bush Lima.** Both pods and Beans are twice the size of Dreer Bush Lima.

1039. **Large Bush Lima.** (Burpee's.) Is an immense yielder, each bush bearing from 50 to 200 of the handsome, large pods, well filled with very large beans, which are identical in size and luscious flavor to the well-known large Pole Limas.

1037. **Dreer's Bush Lima Beans.** This Bush Bean produces pods in great abundance, 185 having been counted on a single plant. The Beans grow close together, sometimes five in a pod and very thick, sweet and succulent.

1037. **Henderson's Bush or Baby Lima.** Yield in abundance. Pods about 3 inches long, well filled with rather small beans of fine flavor. A popular variety for canners.

2 Lbs. to 150 Hills **Pole or Running Beans** *20 to 24 Lbs. to the Acre*

1027. **Lazy Wife or White Pole Cherry Beans.** Pods 5 to 6 inches long and produced in great abundance; broad, thick, fleshy, entirely stringless. Retain their rich tender stringless quality until nearly ripe. Make excellent Shell Beans.

1028. **White Creaseback.** Large round fleshy pods borne in clusters. Very early. Seed pure white when mature. Makes fine shell beans for winter. A good cornfield bean.

1220. **Horticultural Pole, Cranberry or Wren's Egg.** A popular Pole Cherry Bean for snaps or Shell Beans, especially adapted for short seasons and cool locations. Pods 4 to 5 inches long, ½ inch broad, thick and fleshy.

1030. **Old Homestead or Kentucky Wonder.** A favorite with the most critical trade, and private gardeners. Produces clusters of round, tender, stringless, dark green pods, 8 or more inches long. Very tasteful.

	Pkt.	(Pt.) 1 Lb.	(Qt.) 2 Lb.	(Pk.) 15 Lb.	100 Lb.
POLE LIMA BEANS					
Giant Emerald Isle	$ .10	$ .50	$ .90	$4.00	$25.00
Ea. Leviathan	.10	.45	.85	3.65	22.00
Imp. Pole or Challenger	.10	.45	.85	3.65	23.00
Seibert's Early	.10	.45	.85	3.30	20.00
Ex. Ea. Jersey	.10	.45	.85	3.30	20.00
Carolina or Seiva	.10	.40	.75	3.15	18.00
Florida Butter	.10	.45	.75	3.30	20.00
Ford's Mammoth	.10	.45	.85	3.15	18.00
King of the Garden	.10	.45	.85	3.30	20.00
Carpenteria	.10	.45	.85	3.65	22.00
Extra Large	.10	.45	.85	3.30	20.00
BUSH LIMA BEANS					
Burpee's Improved	.10	.45	.85	4.00	24.00
Wood's Prolific	.10	.40	.75	3.15	19.00
Bolgiano's Enormous	.10	.50	.90	4.00	25.00
Fordhook	.10	.50	.75	4.00	25.00
Burpee's Large Bush	.10	.45	.85	3.65	22.00
Dreer's Bush	.10	.45	.85	4.00	24.00
Henderson's Bush	.10	.40	.75	3.15	17.00
Jackson Wonder	.10	.40	.75	3.30	20.00
POLE OR RUNNING BEANS					
Lazy Wife	.10	.40	.75	3.15	19.00
White Creaseback	.10	.40	.75	3.15	18.00
Nancy Davis	.10	.40	.75	3.15	18.00
McCaslan Pole	.10	.45	.85	3.30	20.00
Horticultural	.10	.40	.75	3.15	18.00
Kentucky Wonder	.10	.35	.75	3.00	16.00
Kentucky Wonder Wax	.10	.35	.85	3.30	16.00

We pay postage on one and two pounds only of Beans. Larger quantities customers pay transportation.

Beet

Betterave
Remolacha
Salatrube

We Pay Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

Culture. Fibrous loan, well drained rich soil, will raise good Beet crop. For early table Beets, have drills 16 to 20 inches apart, and sow the seed about 1 inch deep, as early as the ground can be put in good shape, or seed may be sown under glass 4 weeks sooner and the young seedlings transplanted to open ground, to give an extra early crop.

Give thorough and clean cultivation, and thin the plants to stand 2 inches apart in the row.

For succession, sow at intervals to middle of July. For earliest sowings, a light dressing of nitrate of soda, say 100 pounds per acre, will sometimes work wonders.

377 Bolgiano's Early Spring Beet

Bolgiano's Early Spring Beet has proven to be one of the best and earliest beets yet offered the market gardener. Wherever it has been used, it has brought forth praise and recommendations. It is the first beet to be brought to market, always bringing the highest prices. It is perfect in shape, of the globe type, with small tap roots and small tops. The flesh is a deep red, fine grained, and exceptionally tender and sweet. It may be sown under glass, or in the open field, and will mature much earlier than other early varieties. We are constantly reselecting and improving our stock, and we believe we are offering you the earliest and best beet on the market today in Bolgiano's Early Spring. If you have never tried this beet, you should do so this Spring.

Bolgiano's Early Spring Beet

18. **Bolgiano's Deep Blood Beauty Beet.** Very attractive globe shape, medium size, smooth skin, very tender.

4. **Extra Early Eclipse.** Remarkable for its very rapid growth, the perfection of its form—which is globular—of its beautiful crimson flesh, and for its dwarf foliage. Roots are bright glossy red.

5. **Crosby's Improved Extra Early Egyptian Beet.** An improvement of Extra Early Egyptian, being as early, but of more desirable shape, color and quality. It is very sweet and tender; a most valuable sort for early market, as it is ready before any other Beet of equal quality.

6. **Crimson Globe Beet.** This is one of the best Bunching Beets yet introduced. A handsome variety of medium size, almost globe shape, and entirely free from rootlets; a grand second early or main crop sort. Very handsome in shape. The foliage is small and of a rich bronze purple. Flesh is a rich blood red, slightly zoned or ringed. Never stringy.

7. **Detroit Dark Red Beet.** A splendid Beet of a dark red color, for home or market. By far the best for canning, on account of its beauty. Small, upright tops and perfectly small roots. Flesh zoned with lighter and darker bands; tender and sweet.

21. **Edmond's Blood Turnip Beet.** A handsome, clean, turnip-shaped blood Beet. Skin and flesh are of deep blood red, sweet and tender in quality and unsurpassed for solidity and keeping purposes. The roots grow regular and are of right marketable size. Tops are small, allowing them to be grown close together. They mature early and give every satisfaction as a bunching sort.

Mangel Wurzel or Stock Beet

Culture. Sow 5 pounds to the acre in April or June, in rows 3 feet apart, and thin to 6 inches in the row. Cultivate frequently with horse tools and you will have an abundant crop of roots for Winter use.

1152. **Gate Post Mangel.** Immense size. When fed to cows it produces the richest milk. If you want the best Yellow Mangel you ever grew, buy Bolgiano's Gate Post Mangel.

Detroit Dark Red Beet

1153. **Giant Mammoth Long Red Mangel.** The roots are very large, uniformly straight and well formed. Color deep red, roots solid, tops small. Produces an immense bulk and tonnage.

1154. **Improved Golden Tankard Mangel.** The color is a deep, rich yellow. The flesh is firm and solid. On account of its shape enormous crops are grown, and is easily lifted from the ground.

1204. **Klein-Wanzeleben Bener Elite.** It may be distinguished by its brighter color and its lighter colored leaves, which are beautifully undulating, and scalloped around the edges; while not as a rule equal to the Vilmorin in saccharine richness, it is considerably more productive.

BEET	Pkt.	Oz.	¼ Lb.	Lb.
Early Spring Beet	$ .10	$ .15	$ .50	$1.75
Early Wonder	.10	.15	.40	1.10
Deep Blood Beauty	.10	.15	.30	1.00
American Beauty	.10	.15	.30	1.00
Early Ox-Blood	.10	.15	.25	.90
Ex. Ea. Eclipse	.10	.15	.30	1.00
Crosby's Egyptian	.10	.15	.30	1.00
Crimson Globe	.10	.15	.30	1.00
Detroit Dark Red	.10	.15	.30	1.00
Dk. Red Flat Egyptian	.10	.15	.25	.90
Early Blood Turnip	.10	.15	.25	.85
Edmond's Blood	.10	.15	.30	1.00
Early Large Egyptian	.10	.15	.25	.80
Lentz	.10	.15	.25	.85
Nutting's Ea. Gem	.10	.15	.25	.85
Half Long Dark Blood	.10	.15	.25	.85
Long Smooth Blood	.10	.15	.25	.85
Lucullus	.10	.15	.30	1.00
Swiss Chard	.10	.15	.25	.90
MANGEL WURZEL		Oz.	¼ Lb.	Lb.
Gate Post		$ .10	$ .20	$ .60
Mammoth Long Red		.10	.20	.60
Imp. Golden Tankard		.10	.20	.60
Klein-Wanzeleben		.10	.20	.60

Bolgiano's Frost-Proof Plants

Will Mature Heads Two to Three Weeks Earlier Than Your Home Grown Plants and Double Your Profits

TO GET THE ADVANTAGE OF THESE FROST-PROOF CABBAGE PLANTS THEY MUST BE PLANTED A MONTH OR SIX WEEKS EARLIER THAN YOU WOULD PLANT HOME-GROWN PLANTS

WE FILL ORDERS FROM DECEMBER 1ST TO MAY 1ST

There are a number of islands along the Sea Coast of South Carolina, where the soil and climatic conditions are just suited for growing tough, hardy cabbage plants during the Winter and early Spring. The plants make a slow but steady growth, until at eight to ten weeks of age they are very tough and hardy, the buds are purple and the outer leaves a reddish brown. When in this condition they can be shipped to territory farther north and be planted in the open ground a month to six weeks earlier than the home-grown hot bed or cold frame plants. The FROST PROOF CABBAGE PLANTS will stand a temperature of 20 degrees above zero without injury. The land freezing, or the plants being covered with ice, sleet or snow after they are planted will not injure them. The roots grow from time they are planted, and just as soon as Spring weather starts, the established root growth assimilates the fertilizer in the soil, the plants grow very fast, maturing headed cabbage two to three weeks sooner than you can mature them from hot bed and cold frame plants.

The plants when received will be somewhat wilted and have a hard stunted appearance, which will be disappointing to persons who have never used these plants before. Regardless of appearance, they will produce the crop results.

We Furnish the Following Varieties of Cabbage

Early Jersey Wakefield
Charleston or Large Wakefield
Copenhagen Market
Early Flat Dutch
Succession

Our Frost-Proof Onion Plants

are more hardy than our cabbage plants. They should be set out at the same time. Our onion plants produce earlier and larger onions than can be grown from sets, they do not run to seed like the sets.

We offer two varieties.

Yellow or White Bermuda

is a light yellow or straw color with mild flavor similar to Crystal Wax in every way except color.

Prizetaker

A light straw-colored onion with pure white flesh, very fine grain, mild flavored, and will keep any reasonable length of time. It is very large size often measuring 10 to 15 inches in circumference and have been raised to weigh 4 to 5 pounds.

We can furnish first class stock of most all vegetable plants in season, and will be pleased to have your inquiries.

Cabbage and Onion Plants Furnished at Same Prices

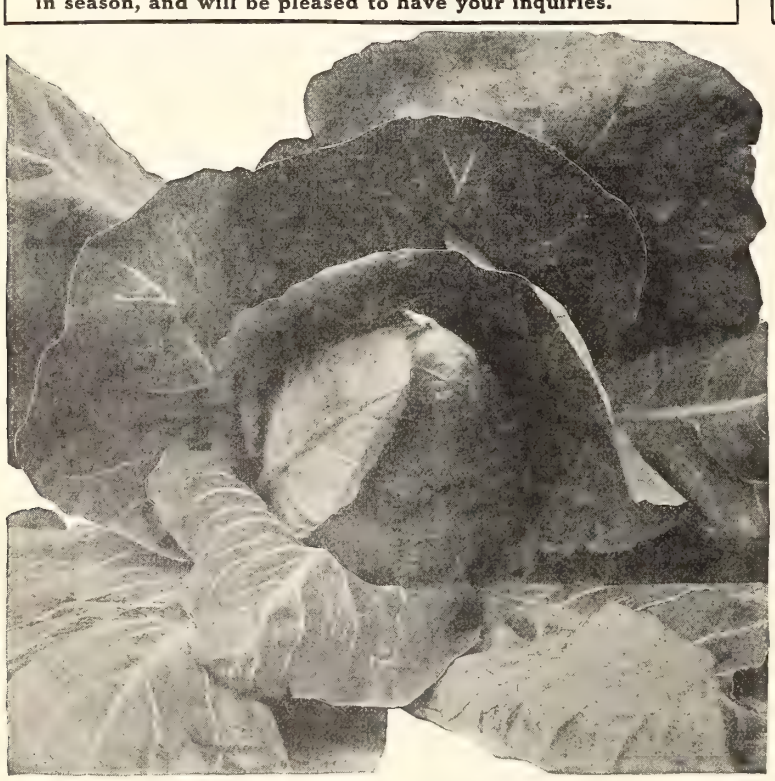
Parcel Post Postage Paid
100 to 400 Plants at $.50 per 100
500 Plants at $1.60 per 500
1000 or More Plants at $3.00 per 1000

By express, customer paying express charges
1000 to 4000 Plants at $2.00 per 1000
5000 or More Plants at $1.50 per 1000

Orders are filled by the 100, not 250 or 350. These prices are for even quantities of one variety to package; if you order 200 of one variety and 300 of another variety you would pay at the 100 rate.

Order Early to prevent delay. We ship direct from growing station. Plants cannot be pulled when beds are wet. Send your order two or three weeks before you expect to set the plants so you will get them in time.

Special Notice—No Order Accepted for Cabbage and Onion Plants After May 1st



Bolgiano's True Stock Jersey Wakefield Cabbage

Cabbage Seed

Chou Pomme
Kopfkohl, Kraut
Cavolo Cappuccio
Col Repello

We Pay Postage on Pkts., Ozs., ¼ Lbs. and Lbs. of All Cabbage Seed.

Culture. Early Cabbage requires a rich, warm, loam soil, well drained; and the soil for the late Cabbage should be heavier and more retentive of moisture and not so rich as for early crops, as the heads are liable to burst.

To have Cabbage real early, sow seed in hotbed in February, or still better, Winter over the crops in a cold frame. For this purpose the seed is sown from the tenth to the twentieth of September. From four or five weeks from the time of sowing they will be fit to transplant into the cold frames. It is very important that the plants be set down to the first leaves so that the stem is all under the ground, otherwise the stem would split by the action of the frost.

These early Cabbage plants are set out in March or April, in rows three feet apart and 18 inches between the plants. The early crop matures in June. For second early crop, sow seed first week in April and plant out in May. The crop matures in July and August. Late Cabbage for Fall and Winter use, sow seed in May to June. The plants are set in July, a distance of three feet between the rows and two feet between the plants. This crop matures in October. Cabbage should not be planted two years in succession in the same spot of the garden. One ounce of seed will produce 3000 plants.

Extra Early Varieties

30. **Early Jersey Wakefield Cabbage.** Special Selected Stock, a variety that is very popular with the early shippers. Produces a medium size compact head, well pointed, and very attractive in appearance. This variety is planted in large quantities for the early market.

Bolgiano's Perfection Drumhead Savoy

Second Early Varieties

38. **Early Summer Cabbage.** In size, form, solidity and earliness this is truly a model Cabbage.

37. **All Head Early Cabbage.** For uniformity, reliability of heading, size, earliness and quality it is very superior.

40. **Early, Short Stem, Drumhead Cabbage.** Forms large, solid, rounded heads. Earliest Drumhead type.

41. **Early Succession Cabbage.** A wonderful Cabbage for solidity, productiveness and fine, large heads.

42. **Sure Head Cabbage.** (Pedigree Stock.) Produces large, round, flattened heads that are all head.

53. **Bolgiano's Perfection Drumhead Savoy Cabbage.** Surpasses all varieties of Savoy Cabbage for uniformity of heads, beauty of curl and superior keeping qualities.

373. **Enkhuizen Glory.** A valuable, second early variety. The heads are very solid with but few outer leaves. The quality is excellent.

49. **Mammoth Red Dutch.** Is the largest Red Cabbage, and heads very solid and is deep red in color to the very center.

CABBAGE

Extra Early Varieties	Pkt.	Oz.	¼ Lb.	Lb.
Golden Acre	$ .15	$ .50	$1.75	$6.00
Ea. Jersey Wakefield	.10	.30	.90	3.00
Ex. Ea. Express	.10	.30	.90	3.00
Ex. Ea. Jersey Wakefield	.10	.30	.90	3.00
Copenhagen	.10	.30	1.00	3.50
Charleston	.10	.30	.75	2.75
Stein's Ea. Flat Dutch	.10	.25	.80	2.75
Second Early Varieties				
Early Summer	$ .10	$ .20	$ .75	$2.50
All Head Early	.10	.20	.75	2.50
Short Stem Drumhead	.10	.25	.80	2.75
Succession	.10	.25	.75	2.50
Sure Head	.10	.20	.75	2.50
Perfection Drumhead Savoy	.10	.30	.90	3.00
Mammoth Red Dutch	.10	.30	.90	3.00
Enkhuizen Glory	.10	.20	.75	2.50
Late or Winter Varieties				
Ex. Large Late Flat Dutch	$ .10	$ .30	$ .90	$3.00
Large Late Drumhead	.10	.25	.80	2.75
Danish Ball Head	.10	.25	.90	3.00
Pe-Tsai or Chinese Celery	.10	.35	.85	2.75

Extra Early Cabbage—Cont'd

27. **Extra Early Express.** Ten days earlier than Jersey Wakefield. Heads rather small, but very solid and sharp pointed.

28. **Extra Early Jersey Wakefield.** An Improved early strain of Jersey Wakefield, slightly smaller and one week earlier.

266. **Copenhagen Market, Early Danish Cabbage.** As early as Charleston Wakefield. This Cabbage is very heavy and solid, makes a fine large, globe-shaped head with well-developed outside leaves.

32. **The Charleston or Large Wakefield Cabbage.** A favorite large pointed type, matures a week or ten days later than Jersey Wakefield but is much larger. This variety is grown extensively to follow the Jersey Wakefield, and to precede the flat varieties.

595. **Stein's Early Flat Dutch.** Unexcelled for early spring planting, producing medium-sized heads that are unbeatable for home use or shipping purposes. No garden is complete without some of this splendid strain.

Golden Acre Cabbage. See Specialty, Page 4

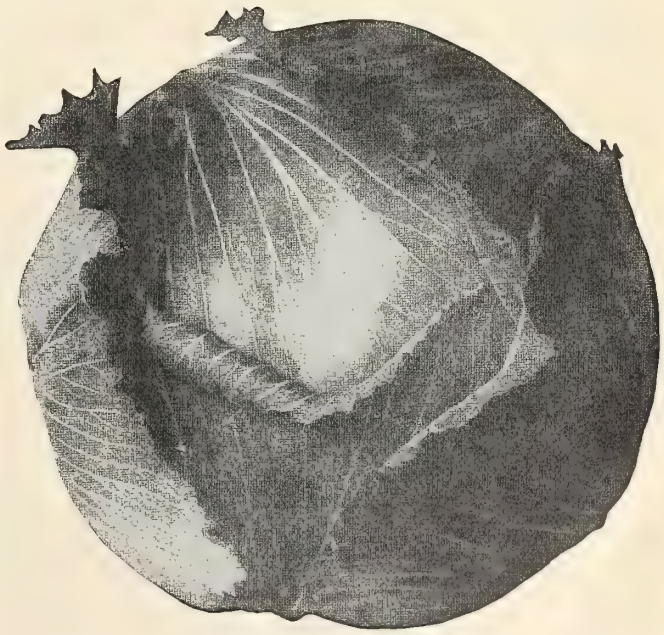
Late or Winter Cabbage

43. **Bolgiano's Extra Large, Late, Flat Dutch; Market Gardener's Choicest Stock.** Matures more quickly than the older varieties into an extra large solid head, of perfect keeping qualities.

47. **Large, Late, Drumhead Cabbage.** Produces enormous heads. Its good keeping quality makes it a first-class sort to carry over Winter.

48. **Danish Ball Head Cabbage.** This is the most excellent Cabbage, is very solid and outweighs any other Cabbage of equal size. The head is round with flattened top.

372. **Pe-Tsai Chinese or Celery Cabbage.** Produces a tall head of almost white, very tender leaves. Plant in July. Sow in drill 16 to 20 inches apart and the seedlings thinned two or three times.



Stein's Early Flat Dutch

Bolgiano's Earliest Snow Ball Cauliflower

Either dust seed with Semesan at the rate of 1 ounce to 15 pounds of seed or soak them in *normal* liquid Semesan for 60 minutes to control surface-borne seed diseases. Water seedlings with *normal* liquid Semesan to prevent *damping-off*. Detailed directions found in Semesan Vegetable Booklet.

Chou-Fleur
Cavolo Flore

Cauliflower

Blumen Kohl
Coliflor

Parcel Post Rates, see Page 95

Culture

The soil and culture requirements of Cauliflower and Cabbage are similar. Seed may be sown and handled in the same way as described in the Cabbage culture. It is best to plan your planting to have no Cauliflower maturing in the hot summer months, as the cool weather of late Spring and early Fall is best adapted for the growing of perfect heads.

Bolgiano's New Century Cauliflower

54. **The Best in the World**

It heads when others fail. Large, perfect heads, measure from 12 to 14 inches in diameter. The beautiful white heads are compact, deep and solid. Heads will outweigh those of any other strain. It is the earliest of all Cauliflower. One-third more can be planted on the same space than can be done with other varieties because of its close growing, compact habit. It is the Most Carefully Grown Cauliflower Seed in the World.

59. **Extra Early Dwarf Erfurt.** Small frame with short outer leaves, medium heads of uniform quality, a good late variety.

105. **Danish Giant or Dry Weather Cauliflower.** Well adapted to localities having dry spells. Produces large solid heads, one week earlier than Snow Ball.

55. **Snow Ball Cauliflower.** Early, very hardy, produces good size snow white heads. Our strain of this variety is unexcelled.

Brussels Sprouts

Culture. Sow in May, in the same manner as Cauliflower, and transplant in July, 2 feet apart in rows 2½ feet apart. Brussels Sprouts is the very best Winter vegetable that can be grown. It is as hardy as the common Curled Greens. When cooked through, the sprouts melt in the mouth like the tenderest Cauliflower, and are equally as good. If more widely known, Brussels Sprouts would be as popular as it is valuable.

22. **BOLGIANO'S MATCHLESS LONG ISLAND IMPROVED BRUSSELS SPROUTS.** Resembles cabbage very closely except that where the cabbage grows only one large head, the Brussels Sprouts grow large numbers of small, delicious, tender, heads at each leaf joint, throughout the entire length of the stalk. These small heads measure from one and a half to two inches in diameter, and are of light green color. This improved strain is an exceptionally heavy yielder. Plant grows from one and a half to two feet high. Brussels Sprouts are usually offered for sale in market packed in quart boxes and always bring a very high price. It is a profitable crop to grow.

Collards

23. **Georgia Southern, or Creole.** Forms a large, loose, open head, or a mass of leaves on a tall stem. Freezing does not injure but rather improves their quality. Sow thick in drills, in rich ground, transplanting when 4 inches high, or sow in drill where the plants are to remain and thin to 1 or 2 feet apart in the row when of proper size. In the South, sow from January to May, and August to October.

590. **North Carolina Short Stem.** A decided improvement, and has proved very popular wherever grown. Has short stem, large spreading leaves, very hardy, withstanding drought in Summer and cold in Winter. Its flavor and cooking qualities are the very best.

Agretto
Berro de fontain

Cress

Cresson
Brunnen Kreffo

Culture. Sow curled or pepper grass thickly, in shallow drills, every 2 weeks. It should be cut often and will continue to grow. It is useful for salad and for garnishing.

	Pkt.	½ oz.	1 oz.	¼ Lb.	Lb.
CAULIFLOWER					
New Century	$ .25	$1.50	$2.50	$8.00	$30.00
Dwarf Erfurt	.25	1.25	2.00	7.00	25.00
Danish Giant	.25	1.00	1.75	6.00	20.00
Snowball	.25	1.25	2.50	8.00	28.00
BRUSSELS SPROUTS	Pkt.		Oz.	¼ Lb.	Lb.
Matchless Long Island	$ .10		$ .25	$ .75	$2.50
COLLARDS	Pkt.		Oz.	¼ Lb.	Lb.
Georgia Southern	$ .10		$ .15	$ .25	$ .75
No. Carolina Short Stem	.10		.15	.25	1.00
CRESS	Pkt.		Oz.	¼ Lb.	Lb.
True Water Cress	$ .10		$ .40	$1.25	$4.00
Fine Curled or Pepper Grass	.10		.15	.25	.80
CHICORY					
Whitloof	$ .10		$ .25	$ .65	$2.00

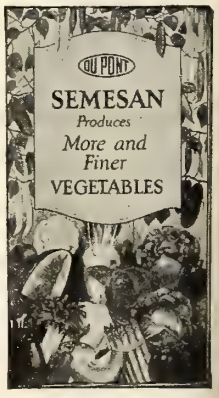
520. **True Water Cress.** Should be sown in damp soil; or if a stream of water can be utilized, they would be much finer. They will thrive well in damp hotbeds. Rightly managed, their culture is very profitable. To obtain early salad it is a good plan to sow with Water Cress Seed a strip 4 inches wide on the upper margin of the hotbed, inside the frame, where it is always cool.

Chicoree Sauvage
Cicoria Selvatica

Chicory

Achicoria
Chicorienwurzel

404. **Whitloof or French Endive.** A winter salad, mostly served with salad dressing. Seed should be sown in the open ground in June, and later thinned to stand 5 inches apart and allowed to grow until the Fall. They are then taken up and cut to about 7 inches in length, all side roots removed, planted in a trench 15 inches deep, about 2 inches apart; the trench is then filled with good, rich soil.



See Page 68

Carrots

Möhren
Carotte
Zanahoria

One ounce will sow 100 feet of drill, 3 or ¼ pounds for an acre

We Pay Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

Culture. Carrots do best in warm, deep, rather light and fairly fertile soil that is well supplied with humus, or on strong loam. For earliest crop, sow seed of the early, short-rooted sorts in April or May, in drills 2 feet apart and thin to 2 inches. For main crop, sow in May or June or for succession even in July, using the long rooted varieties. The rows for these may be 16 to 20 inches apart, and the plants thinned to 2, 3 or even 4 inches.

64 Bolgiano's Pride of the Market Carrot

This beautiful, shapely, half-long carrot will come almost as early as the Oxheart.

This early, tender, fine grained and deliciously flavored carrot has held its leadership since its introduction, and is still one of the best varieties brought to our market. We named it Pride of the Market because it contains all the good qualities that go to make up a good carrot. The Pride of the Market is half long; deep scarlet orange, free from small side roots, small tender core, uniform and graceful. It is fine for early crop; in mid-summer we have seen it out-sell every other variety, and for winter there is none like it. Its attractive tops remain a rich green.

60. **Bolgiano's New Extremely Early Orange Gem Carrot.** Has small, fine tops, flesh bright orange red, very crisp, tender and sweet. Unexcelled as a forcing variety. Coreless, should be in every garden.

Bolgiano's Pride of Market Carrot.

Chantenay Carrot

62. **Improved Long Orange Carrot.** Uniformly a deep orange color, growing a long, smooth, symmetrical Carrot. Tremendous yielder and of a rich, sweet flavor; will retain its delicious flavor all Winter.

63. **Early Ox-Heart Carrot.** So very early, so shapely, so tender, and of such a fine, bright, scarlet color. Not only is extreme earliness a characteristic of our Ox-Heart Carrot, but its exceptionally fine quality, being also entirely without core.

91. **Bolgiano's King Carrot.** Grows about six to seven inches long when allowed to stand to maturity, but can be pulled earlier when smaller size is wanted. This variety will take the place of several less popular sorts because it will meet the wants of all classes of your trade. Its color is deep orange, flesh is free of fibre, has a beautiful shape tapering off to a rather sharp point.

66. **Eary Scarlet Horn.** A very popular sort; quick growing; deep orange in color; blunt rooted.

67. **Danvers Half Long.** One of the heaviest croppers, roots dark orange color.

68. **Chantenay or Model.** Early, scarlet color, stump rooted, broad, thick shoulder, heavy cropper.

361. **Large, White Belgian Carrot.** Produces large roots four inches in diameter at the top and 10 inches in length. It has a white skin and flesh. These Carrots are grown for feeding stock during Winter; they keep stock in fine condition.

Corn Salad

MÂCHE
Canonigos
Feldsalat

1 Ounce will sow 20 square feet, 6 pounds will sow an acre

We Pay Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

Culture. Sow during August or early in September, in drill ¼ inch deep and 6 inches apart. If the weather is dry when the seed is sown, tread it lightly to insure germination. Keep down weeds with hoe. Just before the Winter, cover thinly with straw or leaves.

24. **Large German Corn Salad.** Used as a salad and for garnishing.

CARROTS	Pkt.	Oz.	¼ Lb.	Lb.
Ea. Orange Gem	$ .10	$ .20	$ .45	$1.50
Pride of the Market	.10	.15	.40	1.25
Improved Long Orange	.10	.15	.35	1.00
Ox-Heart	.10	.15	.40	1.25
Bolgiano's King	.10	.15	.40	1.25
Scarlet Horn	.10	.15	.40	1.25
Danvers Half Long	.10	.15	.40	1.25
Chantenay	.10	.15	.40	1.25
Large White Belgian	.10	.15	.20	.60
CORN SALAD				
German Corn Salad	$ .10	$ .15	$ .30	$1.25

Bolgiano's
French Golden Self-Blanching Celery

Céleri Sedano **Celery** *Apio Sellerie*

We Pay Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

Culture. One ounce will produce about twenty-five hundred plants and sow about two hundred feet of row. Sow the last of March or early in April, in an open border, in rich, mellow ground in shallow drills, watering freely in dry weather. By rolling or pressing in the seed, the result will be more satisfactory than when only covered. Cut the tops off once or twice before planting out, to make them stocky. When the plants are 5 or 6 inches high, transplant the dwarf varieties 3 feet and the taller sort 4 feet between the rows; plant 6 inches apart in the rows. Cultivate well and when large enough, blanch by earthing up. The first operation is that of "handling," generally done by the beginning of September. After the soil has been drawn up with the hoe, it is drawn around each plant by hand to keep the leaves firm in upright position and prevent spreading. When plants have become "set" in an upright position and the Celery is wanted for early use, they should be "banked." This is done by throwing the soil up as close to the plants as possible with a plow and finishing it with a spade, bringing the earth nearly up to the tops of the plants. The method employed now for protecting it is by covering the tops of the banks with waterproof felt paper.

71 Bolgiano's French Golden Self-Blanching Celery

It is an excellent keeper, stands shipment better than any other sort and brings the highest market prices. It is a vigorous dwarf grower, compact in growth and self-blanching to a very remarkable degree; even the ribs become a handsome, fresh, clean, yellow color, with a heart that is large and solid and of a beautiful, rich, golden yellow color. It is quite early and easy to cultivate. In the home garden it produces golden yellow stalks very early, which are crisp, tender and nutty in flavor. It will keep in good condition until Christmas or New Year's. Our stock is grown especially for us by the originator in France.

455. **Bolgiano's Easy Blanching Celery.** Excels all other varieties in earliness, in quick blanching, in flavor and in tenderness. A quick growing, very easy blanching variety. Grows a bulky plant of medium height, usually twice the size of other varieties, which produces a great number of crisp, sweet stalks.

73. **Giant Pascal Celery.** This is a large, solid, excellent sort. It blanches very quickly to a beautiful yellowish-white color, is very solid and crisp, and a fine nutty flavor. Stalks grow broad and thick.

72. **Perfected White Plume Celery.** Is the most extensively used on account of its extreme earliness. Its stalks and portions of its inner leaves and heart are white naturally, by simply tying the plant together, or by drawing the soil firmly against the plant.

75. **Winter Queen Celery. (Pedigree Stock.)** A good keeper and beautiful in appearance. Ribs perfectly solid, crisp and of a delicious, nutty flavor.

See Page 68

78. **Golden Heart Celery.** A gardener found in his Dwarf Golden Heart a few plants of larger growth. A careful selection made for many years resulted in the Golden Giant Heart, which excels for larger size, solidity and keeping quality.

Celeriac, or Turnip-Rooted Celery

139. **Giant French Celeriac.** There is not a single item of interest in the growing and developing of seeds that we pass by without most thoroughly investigating and testing to see if there is something of value to our customers. To prove our watchfulness, we are here introducing the Giant French Celeriac. Many thought the Celeriac which the Market Gardeners have had for years was good enough, but we are always on the alert for something better and are rewarded for our pains by being able to offer this splendid Celeriac.

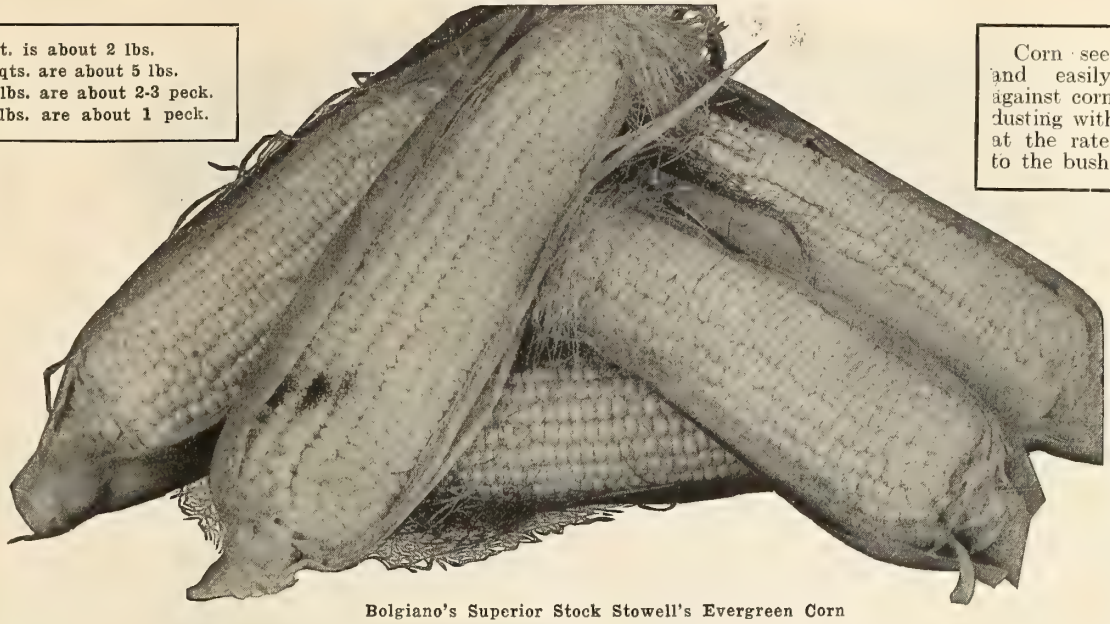
83. **Large, Smooth Prague Celeriac.** A large Celery flavored root used extensively for flavoring soups, pickles, etc.; also relished sliced as a salad with pepper and vinegar. It is also used to flavor chicken and potato salad.

CELERY	Pkt.	Oz.	¼ Lb.	Lb.
French Golden Self Blanching	$ .10	$ .75	$2.00	$7.00
Easy Blanching	.10	.35	1.15	4.00
Giant Pascal	.10	.25	.75	2.50
Perfected White Plume	.10	.25	.75	2.50
Winter Queen	.10	.25	.75	2.50
Golden Heart	.10	.20	.65	2.25
Celery Seed for Flavoring		.10	.15	.50
CELERIAC OR TURNIP-ROOTED CELERY				
Giant French	$ .10	$ .25	$ .60	$2.50
Large Smooth Prague	.10	.25	.75	2.50

Bolgiano's Easy Blanching Celery

1 qt. is about 2 lbs.
2½ qts. are about 5 lbs.
10 lbs. are about 2-3 peck.
15 lbs. are about 1 peck.

Corn seed is quickly and easily disinfected against corn root rots by dusting with Semesan Jr. at the rate of 3 ounces to the bushel of seed.



Bolgiano's Superior Stock Stowell's Evergreen Corn

Large can enough for 2 bu. of seed corn, 8 to 10 acres $1.50. Half size can $1.00. F. O. B. Baltimore Postage extra.

Culture. Seed of the sweetest varieties is liable to rot if planted in wet or cold ground. Plant in warm soil 5 to 6 kernels to a hill, making the rows 3 feet apart for the dwarf or early sorts, and 4 feet apart for the taller late sorts. Hills to be 2 to 3 feet apart in the rows, thin out to 2 plants in a hill. Planting should be made once a week, from the moment the ground is warm enough until about July 15th, using the early varieties for the first three plantings. Quantity required, one quart for 200 hills, 8 quarts per acre.

Garden Corn

These varieties are not sugar corns. They are hardier and can be planted earlier. Make excellent roasting ears.

1308. **Bolearly Corn.** This variety is the earliest roasting ear variety that can be brought to market. It is very hardy and can be planted as soon as the soil begins to warm. Can be cut for market in 50 to 55 days. Ears 6 to 8 inches long, pure white medium size kernels, frequently produces 2 ears to the stalk. Very attractive in appearance.

1052. **Adams Extra Early.** A splendid variety for early market.

1053. **Second Early Adams.** Larger and later than Adams' Early.

1222. **Truckers' Favorite.** Not a Sugar Corn, but used largely in Baltimore and the South as a table Corn.

1049. **65-Day White Cob Corn.** This Extremely Early Corn looks like Snow White Evergreen Corn, but is ready for the market in 60 to 65 days from planting.

Sweet or Sugar Corns (Extra Early)

1290. **Bolgiano's Extra Early Harvester Sugar Corn. 1920 Creation.** Earlier than the Golden Bantam, much sweeter, large ears and very prolific.

1112. **Golden Bantam Corn.** This very early, yellow grained Corn is remarkably sweet and tender.

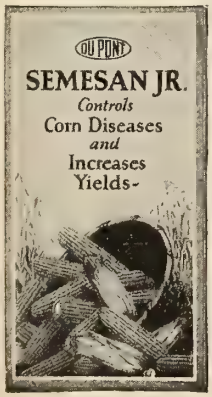
443. **Bardens Wonder Bantam.** This corn was developed to fill an ever increasing demand for an early sweet corn, having the good qualities of Golden Bantam with a larger ear and maturing about the same time.

1182. **Bolgiano's Cream and Honey Sweet Corn.** Extremely early, most delicious flavor.

1256. **Howling Mob.** Superb long ears of sweetest quality.

1060. **Extra Early Evergreen.** One week earlier than Stowell's Evergreen.

1061. **Early Mammoth Sugar.** Gardeners favorite. Two weeks earlier than Late Mammoth.



See Page 68

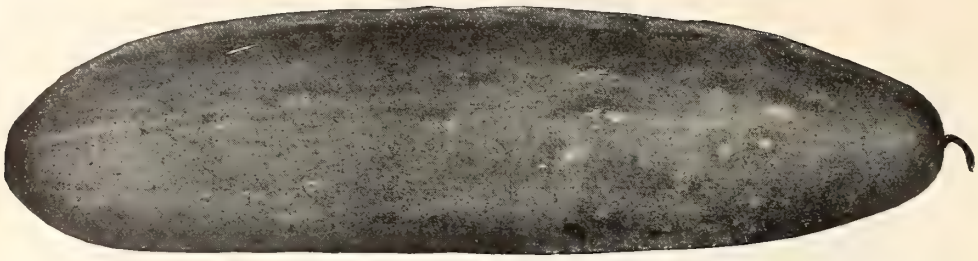
General and Late Crop

1067. **Stowell's Evergreen.** The most profitable general crop sweet corn. Stalks grow about 8 feet high with ears from 7 to 9 inches long and from 14 to 16 rows to the ear of deep, white, medium sized grains of the finest flavored corn. Our strain of this variety is bred to produce two good sized ears to the stalk.

Late Crop

1065. **Country Gentleman Sugar Corn.** It is deliciously tender. Ears average 8 or 9 inches long. Cob small, plump and filled zig-zag from end to end with pearly white kernels of great depth.

	Pkt.	(Pt.) 1 Lb.	(Qt.) 2 Lb.	15 Lb.	100 Lb.
GARDEN CORN					
Bolearly	$.10	$.35	$.65	$2.75	$16.00
XX Ex. Ea. Adams	.10	.30	.50	2.25	12.00
Adams Ex. Early	.10	.30	.50	2.15	12.00
Adams Second Early	.10	.30	.50	2.00	11.00
Truckers Favorite	.10	.30	.50	2.00	11.00
65-Day White Corn	.10	.30	.50	2.00	11.00
SWEET OR SUGAR CORN					
Extra Early and Early					
Ex. Ea. Harvester	.10	.40	.75	3.10	18.00
Whipples Early White	.10	.40	.75	3.10	18.00
California Country Gent.	.10	.35	.65	2.75	16.00
Bardens Wonder Bantam.	.10	.35	.75	3.10	18.00
Cream and Honey	.10	.40	.75	3.10	18.00
Howling Mob	.10	.35	.65	3.00	18.00
Golden Bantam	.10	.35	.65	3.00	18.00
Premo 60-Day	.10	.35	.65	2.75	16.00
Early Evergreen	.10	.35	.65	3.50	20.00
Ea. Mammoth	.10	.35	.65	2.75	16.00
GENERAL AND LATE CROP					
White Evergreen	.10	.35	.65	3.50	20.00
Stowell's Evergreen	.10	.35	.65	3.50	20.00
Country Gentleman	.10	.35	.65	3.50	20.00
Shoe Peg	.10	.35	.65	3.50	20.00
Black Mexican	.10	.35	.65	3.00	17.00



Bolgiano's Famous Early Fortune Cucumber

We Pay Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

Cucumber

CONCOMBRE *Cohombro* Gurken

One ounce will plant fifty hills, two pounds will plant one acre

Culture. For very early, sow in hotbeds upon pieces of sod, or in small pots; they can be readily transplanted with a gain of about six weeks before they can be sown in the open. Plant out in rich soil when danger of frost is over, or protect by hand glasses; or by paper held down at the corners with earth. For general crops, sow in the open as soon as the weather is settled and warm, and every two weeks for a succession. For pickles, sow from middle of June to Fourth of July. Sod land, turned over in the Fall, is the best for them. Plant in hills 4 feet apart, putting shovelful of well-rotted manure in each hill.

394. **Bolgiano's Crystal Springs Cucumber.** 1918 introduction. Extra early, heaviest yielding, continuous bearer. Attractive rich, glossy, deep green color. Deep green to the very tips. Mildew-proof, never turns yellow. Perfect in shape, color and size. No misshapen fruits or culls. Flesh firm, fine grained and tender. The quality is superb. Most refreshing and delightful flavor. Entirely free from bitterness. Very few seeds. Fine for slicing. The ideal Cucumber for either shipping, market or home use.

84. **Bolgiano's Early Fortune Cucumber.** Full blooded, as pretty as a picture, and extremely early, wonderfully productive, a model in shape, of the most inviting and attractive deep green color.

135. **Klondike.** Very dark green, 6 or 7 inches long and two inches thick, remains crisp a long time. It is a grand market sort.

587. **Snow's Fancy Pickling.** This type is shorter when ripe than the Chicago Pickle and is broad at the stem end, tapering slightly to the tip.

85. **Arlington White Spine Cucumber.** For many years the standard slicing and market variety. Very prolific, and of dark green color.

236. **Boston Pickling.** Fruit short, smooth and pointed at each end; light green, a great yielder; one of the best for pickling.

208. **Chicago or Westerfield Pickling Cucumber.** Fine for Market Gardeners. Medium length, pointed at each end, large spine, deep green, very prolific. A fine pickling variety.

98. **Improved Long Green Cucumber.** If you have to make one variety do for everything, this is the one to use. It is used for an early long slicing sort. It gets on the market a week ahead of most good slicers and gets the early money.

94. **Early Frame, or Early Short Green.** Desirable for producing pickles of medium size and fine quality.

95. **Improved Jersey Pickle.** It is medium in length, very shapely, prolific and holds its color.

544. **Davis Perfect Cucumber.** This variety is noted for producing the only Cucumbers of quality enabling them to sell in competition with hothouse grown stock. Very slender, almost seedless, cylindrical and tapering at the ends. It much resembles the expensive English forcing varieties and is superseding them in the markets.

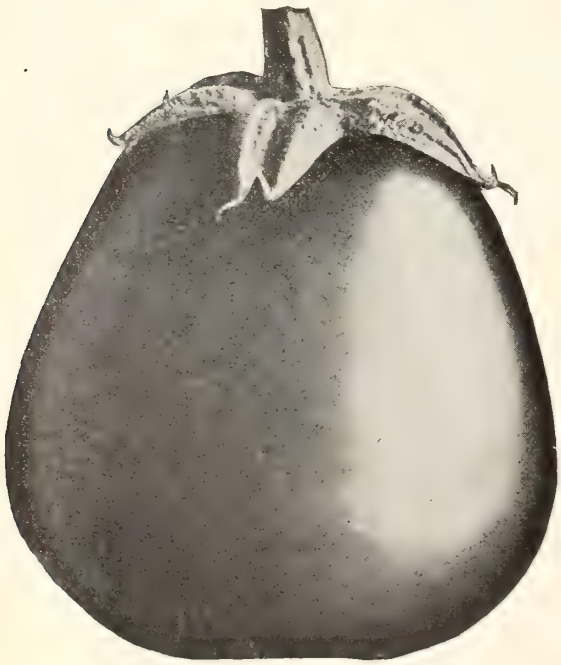
518. **West Indian Gherkin.** This is the only genuine Gherkin. It is small, oval and covered with spines; color light green.

1 Oz. will produce 500 Plants

Egg Plant

We Pay Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

AUBERGINE *Berengena* Eierplanze



Black Beauty Egg Plant

Culture. Sow in hotbeds very early in Spring and transplant when 2 inches high into a second bed or into small pots. If this is not done, thin to 4 inches apart. Do not plant out until weather is perfectly settled and warm. Cool nights or wet weather will check them. Keep some back in frames for a second planting, in case of weather changing unexpectedly. Set out plants 3 by 3 feet.

100. **Bolgiano's Black Beauty Egg Plant.** The earliest and best of all large fruited Egg Plants.

99. **The Florida High Bush Egg Plant.** Holds the fruit well off the ground, resists drought and wet weather. Fine Purple color, very productive.

101. **New York Improved Egg Plant. (Spineless.)** A vigorous grower; fruit large, fine, free from thorns, and produce until frost; skin of a rich purple, flesh white and of a rich flavor. We can highly recommend this Egg Plant.

CUCUMBER	Pkt.	Oz.	¼ Lb.	1 Lb.
Crystal Springs	$.10	$.15	$.45	$1.50
Early Fortune	.10	.15	.40	1.25
Klondike	.10	.15	.35	1.00
Arlington White Spine	.10	.15	.35	1.00
Snow's Fancy Pickling	.10	.15	.40	1.25
Boston Pickling	.10	.15	.40	1.25
Chicago or Westerfield Pickling	.10	.15	.40	1.25
Improved Long Green	.10	.15	.40	1.50
Early Frame or Short Green	.10	.15	.40	1.25
Improved Jersey Pickling	.10	.15	.40	1.25
Davis Perfect	.10	.15	.45	1.50
West India Gherkin	.10	.20	.60	2.00
Japanese Climbing	.10	.15	.45	1.50
New Lemon	.10	.15	.45	1.50
EGG PLANT				
Black Beauty	.10	.50	1.50	5.50
Florida High Bush	.10	.50	1.75	6.00
New York Improved (Spineless)	.10	.45	1.40	5.00

1 Oz. to 150 feet of row

Endive

CHICOREE
Escarola o Endivia
Endivien

106. **Bolgiano's Self-Blanching Endive.** A perfect self-blanching curled Endive, beautiful and graceful in shape, most attractive, perfect color, shading from a large, rich golden heart to the outer leaf of emerald green.

107. **Green Curled Endive.** Much better than the common varieties. An attractive and ornamental vegetable.

452. **Broad-Leaved Batavian.** The leaves are large and broad, having the edges slightly cut. It can be blanched, but is more generally used to cook like Spinach, or as flavoring for soups, stews, etc. Called "Escarolle" in the South.

Horse Radish Roots

By mail Postpaid Doz. 30c.; Express not paid, 50 for 60c., 100 for $1.00, 300 for $2.75, 500 for $4.25, 1000 for $8.00

1 Ounce will produce about 5,000 Plants

Kale

CHOUVERT
Col rabano
Knollkohl

We Pay Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

Culture. The Kales are more hardy than Cabbage, make excellent greens for Winter and Spring use, and are improved by frost. Sow in March and April, and cultivate the same as Cabbage. For early Spring use sow in September, and protect during Winter. Some of the varieties are so hardy that the green leaves may be dug out from under the snow in Winter and be used for greens.

113. **Bore Cole or Kale. Hardy Winter Spargel Kohl.** About Baltimore it is sown in May, and transplanted like Cabbage to stand over Winter. It is taller than the extra dwarf varieties, and when the leaves are stripped, new tender leaves quickly grow out. It will stand the coldest Winter. Besides being a delicious vegetable, it has always been an exceptionally, profitable crop, bringing money during the Winter months when most all vegetables are scarce.

110. **Siberian Curled Kale.** The green leaves are very large and comparatively plain in the center, but heavily curled on the edge. It is a fast grower, extremely hardy and will stand longer in the Spring without bolting than any other variety.

Kohl-Rabi

CHOU-RAVE
Col rabano
Knoll Kohl

We Pay Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

152. **Best-of-All Kohl-Rabi.** Combines the qualities of the finest varieties. Round like an apple, fine, smooth skin. Leaves, very few, stands erect, enabling grower to plant closer and helps him in bunching. Flesh is unsurpassed in tenderness and flavor. Best of All Kohl-Rabi will not run to seed in frosty weather. Equally valuable for forcing or open ground culture.

117. **Earliest White Vienna.** A well known variety, whitish green in color, with small tops. It matures very early. It has a sweet flavor and is very tender.

343. **Purple Kohl-Rabi.** Equally as good as the White Vienna, but matures about a week later. It has a light purple color.

Best-of-All Kohl-Rabi

112. **Extra Dwarf Green Curled Scotch, or Norfolk Kale.** One of the best Kales for Spring sowing in the North; the principal sort growing South for Northern markets; hardy, and will remain over Winter where temperature does not go below zero. Very dwarf and spreading, rarely exceeding 18 inches in height. Leaves are a bright green color, beautifully curled and produced in abundance.

108. **Imperial, Very Curly, Long Standing Kale.** Beautifully curled and crimpled sort; strong, vigorous habit, perfectly hardy, bright green color; very attractive in appearance; superior to all late sorts; will stand longer without shooting to seed than any other variety.

351. **Spring or Smooth Kale.** A hardy, quick growing, smooth leaved variety. The best for Spring sowing, but largely sown in the Fall, making greens earlier than the Winter varieties.

109. **Curled German Kale.** Hardy; stands the frost of our severest Winters; grows rapidly, dwarf habit, beautifully curled.

Leek

POIREAU
Puerro
Porree

We Pay Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

Culture. Sow early in April in drills 1 foot apart and 1 inch deep. When plants are 6 to 8 inches high transplant in a deep, rich soil in rows 24 inches apart and 6 inches in the rows, as deep as possible, so that the neck may be covered and blanched; draw the earth to them as they grow.

114. **Bolgiano's Famous Mammoth King Leek.** Is pure white, has attractive dark colored leaves, is stout in habit and hardy. The edible part is 8 to 15 inches long, and 3 to 5 inches in diameter.

Bolgiano's True Stock Dwarf Scotch Kale

	Pkt.	Oz.	¼ Lb.	1 Lb.
ENDIVE				
Bolgiano's Self Blanching	$ .10	$ .15	$ .50	$1.75
Green Curled	.10	.15	.35	1.25
Broad-Leaved Batavian	.10	.15	.40	1.50
KALE				
Hardy Winter Spargel Kohl	.10	.25	.75	2.25
Ex. Dwf. Green Curled Scotch or Norfolk	.10	.15	.25	.90
Imperial Curly Long Standing	.10	.15	.25	.75
Spring or Smooth	..	.10	.15	.35
Curled German	.10	.15	.20	.65
Siberian Curled	.10	.15	.25	.75
Amer. Ex. Curled Long Standing	.10	.15	.20	.65
KOHL RABI				
Best of All	.10	.25	.75	2.50
Earliest White Vienna	.10	.25	.65	2.25
Purple	.10	.25	.65	2.25
LEEK				
Famous King	.10	.25	.75	2.50
Ex. Large American Flag or Broad London	.10	.20	.65	2.25

Big Boston Lettuce

Lettuce

LAITUE
Lechuga
Lattich

We Pay Postage on Pkts., Ounces, ¼ Lbs. and Lbs.

1 Oz. to 3,000 Plants
2 Lbs. to the Acre

Culture. For early Summer use, sow in hotbeds in March, sowing every two weeks for succession. Transplant the young plants to rows 2 feet apart and 8 to 12 inches apart in the row. For Winter use, sow in August, transplant to frames; and for this purpose the early heading varieties, such as the Millionaire Lettuce, are best adapted. The Cos varieties require to be tied up for a few days in order to properly blanch them.

480. **Bolgiano's Sure Summer Header Lettuce.** This is the best Mid-Summer Variety, resisting heat and drought and remains in a heading condition longer than any other. It is a sure header in the hottest, driest weather and proves a big success under conditions when all others fail. The heads are a good size, very solid, a fresh green color.

415. **Bolgiano's Masterpiece Lettuce. 1920 Creation.** Sure header, very solid, beautifully blanched, crisp as ice; mild, tender, sweet, delicious flavor. Does well in any section of the country. A very profitable Lettuce to grow.

352. **May King.** A handsome, light green heading variety of medium size and excellent quality. Matures exceptionally early, attaining a size suitable for use before other sorts, and often the edges of the outer leaves have a brownish tinge.

350. **Iceberg Lettuce.** The heads are large, crisp, solid and tender.

145. **Hanson.** Grows to large size. Heads solid; crisp, mild and tender. One of the finest varieties to grow for market during the Summer months.

Loose Head Varieties

132. **Grand Rapids.** Finely curled or fringed edges. Its delicious quality and handsome appearance make it most popular.

209. **Early Curled Simpson Lettuce. White Seed.** A quick-growing hardy variety. This crisp, non-heading sort forms a tight bunch of leaves very tender and of excellent quality.

147. **Black-Seeded Simpson.** Very large, finely fringed.

425. **New York or Wonderful Lettuce.** Specialty. See page 3.

156. **Big Boston Lettuce.** A standard variety used by large growers throughout the country, for early spring and late fall crop. Produces a large solid cabbage head, the few outer leaves are light green in color, while the center leaves which are formed into the head are white, and are very brittle and sweet.

399. **Wayahead Lettuce.** Shows a remarkable combination of earliness, firm heading character, handsome appearance and fine quality. The outer leaves are a light green, with the inner head firmly blanched to a rich, buttery yellow. Retains its good quality throughout the season and stands longer without going to seed than many other early varieties.

Cos or Celery Lettuce

123. **Paris Self-Folding or Trianon White Cos.** Grows to a very large size, producing long-pointed, compact bunches. The inner leaves blanch readily and are of fine flavor.

LETTUCE	Pkt.	Oz.	¼ Lb.	1 Lb.
Sure Summer Header	$ .10	$ .25	$ .65	$2.25
Unrivaled	.10	.25	.60	2.00
Millionaire	.10	.20	.60	2.00
Masterpiece	.10	.30	.85	3.00
Long Lost	.10	.30	.60	2.00
May King	.10	.20	.50	1.75
Iceberg	.10	.20	.50	1.75
Hanson	.10	.15	.45	1.50
New York or Wonderful	.10	.25	.75	2.50
Big Boston	.10	.15	.40	1.25
Wayahead	.10	.20	.50	1.75
California Cream Butter	.10	.15	.45	1.50
Bolgiano's Celebrated Big Head	.10	.15	.45	1.50
Grand Rapids	.10	.15	.45	1.50
Early Curled Simpson	.10	.15	.45	1.50
Black Seeded Simpson	.10	.15	.45	1.50
Early Prize Head	.10	.15	.45	1.50
COS OR CELERY LETTUCE				
Eclipse or Express	.10	.25	.75	2.50
Paris Self Folding or Trianon White	.10	.25	.50	1.75

Wayahead Lettuce

Muskmelons
(Cantaloupe)

MELON	*Italian*	*Spanish*
Melone	POPONE	MELON

We Pay Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

Culture. A sandy loam to which plenty of well rotted manure has been added will be found ideal. Plant early in May, when the ground has become warm, in hills 5 feet apart each way; 12 to 15 seeds to the hill; cover half inch deep. To prevent damage by insects, spray with Pyrox. Thin out few plants after they show good growth and when all danger of insects is over thin out to 2 plants to the hill. For an early crop sow seed in berry boxes placed in hotbeds and transplant outdoors; do not disturb the roots. Sow one ounce of seed to 60 hills; two pounds for an acre.

16 Improved Junior Rocky Ford Cantaloupe
See Front Cover. Description. Page 2

450. **Honey Dew.** The skin is smooth and the rind though thin is very tough. Will keep until Christmas. Creamy yellow when ripe. Flesh an emerald green. Can be eaten to the extreme rind. Is a good shipper.

157. **Rocky Ford Cantaloupe.** Thoroughbred Stock. Meat light green changing very slightly toward gold near the center. Very spicy and sweet; abundant yielder; having produced 300 standard crates from one acre; an excellent shipper.

Hale's Best Cantaloupe

492. **Bottomley Cantaloupe.** A great blight resister. A few days later than the Knight. Slightly smaller than the Knight. Uniform size, about 7 inches from stem to blossom end. Beautifully netted with deep green ribs, giving it a most attractive appearance. Thick meated, very crisp and fine flavor. Handsome greenish color shading to a frosty salmon next to seed cavity. Small seed cavity. Shape oval, slightly more pointed at blossom end than at stem end. A wonderful shipper. Retains its flavor and firmness longer than any other melon. A great favorite wherever grown.

471. **10-25 Cantaloupe.** Salmon flesh, tender, sweet flavored, without strings or toughness. Excellent shipper. Good seller.

Protect cantaloupe seed from surface-borne diseases and soil rots by dusting with Semesan at the rate of 1 ounce to 15 pounds of seed or soaking them in *normal* liquid Semesan for 30 minutes. Full directions in Semesan Vegetable Booklet. See page 68.

610. **Hale's Best.** Extremely early, prolific, good shipper, about 10% larger than the Rocky Ford types. Flesh salmon and of exceptional thickness. Heavily netted and fairly prominent ribs.

445. **Hearts of Gold.** One of the finest pink fleshed types, an excellent shipper and retains its flavor. The skin is moderately netted and rather distinctly ribbed, weight about one and one-half pounds. This variety is becoming very popular in home gardens.

439. **Pearl Pink Meat.** A new variety of fine qualities. It is oval shape, with skin the color of pearl, has very fine flavor.

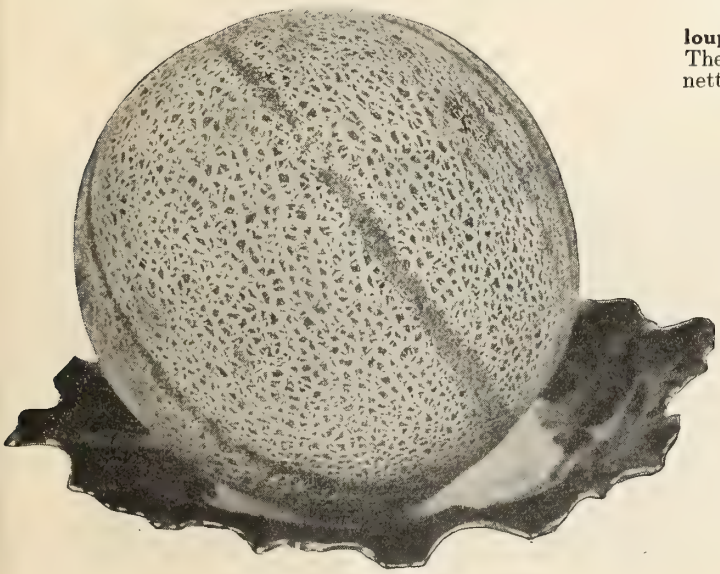
167. **Eden Gem or Netted Rock Rocky Ford Cantaloupe.** This magnificent Muskmelon is a selection of the old Rocky Ford, which it completely surpasses in lusciousness, yield heavy; good shipper.

548. **Burrell's Gem.** The fruit is of good size, handsome appearance and fine flavor. The skin is a rich, dark green, contrasting finely with the deep, orange-salmon colored flesh; sweet, tender.

592. **Honey Dew—Salmon Flesh.** This melon is identical with the Green Fleshed Honey Dew only that the flesh is a beautiful salmon instead of green.

528. **Banana.** The deep, golden flesh is of exquisite flavor. It looks and smells like a banana. Not a mere curiosity, but is in such favor as to command prices from 50c and $1.00 for a single specimen.

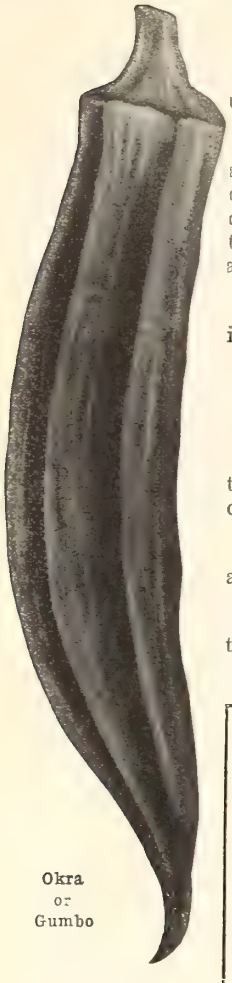
207. **Watters' Improved Solid Net Rocky Ford Cantaloupe.** This is the earliest strain of Rocky Ford Cantaloupes. The meat is light green, spicy and sweet. The heavy gray netting is closely laced.



Hearts of Gold Cantaloupe

MUSKMELON OR CANTALOUPE

	Pkt.	Oz.	¼ Lb.	1 Lb.
Hale's Best	$.10	$.25	$.75	$2.50
Watters' Impd. Solid Net Rocky Ford	.10	.15	.30	1.00
Improved Junior Rocky Ford	.20	.35	.75	2.00
Honey Dew	.10	.15	.45	1.50
Rocky Ford	.10	.15	.30	1.00
10-25	.10	.15	.40	1.25
Baltimore Nutmeg	.10	.15	.40	1.25
Extra Early Hackensack	.10	.15	.40	1.25
Netted Gem	.10	.15	.40	1.25
Bottomley	.10	.20	.65	2.00
Hearts of Gold	.10	.20	.45	1.50
Pearl Pink Meat	.10	.15	.40	1.25
Edward's Perfecto	.10	.15	.40	1.25
Melting Gold Rocky Ford	.10	.20	.45	1.50
Improved Jenny Lind	.10	.15	.40	1.25
Eden Gem or Netted Rocky Ford	.10	.15	.40	1.25
Burrell's Gem	.10	.15	.40	1.25
Honey Dew Salmon Fleshed	.10	.15	.45	1.50
Banana	.10	.15	.45	1.50
Honey Ball	.10	.25	.65	2.00



Okra or Gumbo

Try Mustard cooked like Spinach—it is delicious
One ounce will sow 100 feet of drill

Mustard

We Pay Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

203. **Southern Giant Curled.** The true curled leaf variety, sweet flavored, pungent and succulent; used for early salad.

204. **Ostrich Plume Mustard or Fordhook Fancy.** Desirable and ornamental. It is distinct from any other variety. The plants are of vigorous growth, and the beautiful dark green, pungent leaves curve outwardly like a fine ostrich plume. The edges are as thoroughly curled and laciniated as the best double curled Parsley, making the leaves equally desirable for garnishing. So attractive is the habit of growth and the feathery effect of the finely fringed leaves that this plant is quite worthy of a place in the garden as an ornamental border plant.

Chinese Broad Leaf. The leaves are twice the size of the ordinary White Mustard, while the flavor is sweet and pungent.

We Pay Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

Okra, or Gumbo

1 Oz. to 40 Feet of Drill
10 Lbs. to Acre

198. **Perkin's Mammoth Long-Podded Okra.** Pods shoot out from the stalk within three inches of the ground and the whole plant is covered with them to its extreme height. Pods are an intense green color, 9 to 10 inches long, very slim and do not get hard.

201. **Bolgiano's Imperial Dwarf Short-Podded Okra.** It has a dwarf, shapely, dense pod, of an attractive pea-green color. The flavor is exceptionally rich.

199. **Dwarf Green Prolific Density Okra or Gumbo.** Its green pods impart fine flavor and consistency to soups and stews, besides being as palatable when stewed and served as a dish of Asparagus.

200. **White Velvet Okra.** The pods of this distinct and beautiful new Okra are much longer, perfectly smooth, never prickly.

202. **Lady Finger Okra.** The plants produce long, tender pods of fine, round form, white and smooth.

	Pkt.	Oz.	¼ Lb.	1 Lb.
MUSTARD				
Southern Giant Curled	$.10	$.15	$.25	$ .75
Ostrich Plume or Fordhook Fancy	.10	.15	.25	.75
Chinese Broad Leaf	.10	.15	.25	.75
OKRA OR GUMBO				
Perkin's Mammoth Long Podded		.10	.25	.75
Bolgiano's Imperial Dwf. Short Podded		.10	.25	.75
White Velvet		.10	.25	.75
Lady Finger		.10	.25	.75
Dwarf Green Prolific Density		.10	.25	.75
PARSLEY				
Bolgiano's Green Mountain Triple	.10	.15	.45	1.50
Market Gardener's Best Triple Curled	.10	.15	.40	1.25
Extra Dark Champion Moss Curled	.10	.15	.25	.85
Plain or Single	.10	.15	.25	.90
Extra Curled Dwarf or Emerald	.10	.15	.25	.85
Fine Double Curled	.10	.15	.25	.85
Hamburg Rooted	.10	.15	.35	1.00

Our Garden Seeds are all of High Germination and True Type

Parsley

PERSIL
Perejil
Petersilie

1 Oz. will sow 200 feet of Drill
4 Lbs. to the Acre

221. **Bolgiano's Green Mountain Triple Curled Parsley.** Produces an abundance of finely cut beautifully curled leaves of an attractive brilliant deep green. A table garnish of rare beauty.

222. **Market Gardeners Triple Parsley.** Very handsome; of robust free growth, beautifully curled, very dark green.

223. **Extra Dark Champion Moss Curled Parsley.** The large, moss, curled leaves are of a rich, dark green color and very productive.

HERBS	Pkt.	Oz.	¼ Lb.
Sweet Basil	$ .10	$ .20	$ .60
Caraway	.10	.20	.60
Chives	.10	.60	1.75
Coriander	.10	.15	.45
Mammoth Dill	.10	.15	.45
Fennell Sweet	.10	.25	.75
Horehound	.10	.30	.95
Lavender	.10	.25	.80
Sweet Marjoram	.10	.25	.80
Martynia	.10	.40	1.15
Rosemary	.10	.45	1.25
Sage	.10	.50	1.35
Summer Savory	.10	.20	.60
Thyme	.10	.50	1.35

Bolgiano's Green Mountain Parsley

Onion

Ognon
Cebolla
Zwiebel

1 Oz. to 100 Feet of Drill
¼ to 5 Lbs. to the Acre

We Pay Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

By sowing seed of the Spanish type, such as the Prizetaker, Southport Globes, Pearl or Queen and Bermuda Onions, under glass in January, February or even March, and transplanting in April to open ground 3 to 4 inches apart in the rows, large bulbs may be produced the first season from seed.

Ebenezer or Japanese Onion

Ebenezer or Japanese. This onion we believe is destined to take the place of the other Yellow varieties. It will make double the crop of other sorts. It is nearly globe shape, of a beautiful deep straw-color, and has a delightfully mild sweet flavor and a wonderful keeper. Be sure to give it a trial, we are sure it will please you.

White Silver Skin. Its delicate mild flavor, stately form and pure white color make it a splendid table variety, and most profitable for market and shipping. Bulbs should be harvested as soon as ripened and dried in the shade to preserve their silvery white appearance.

205. **Mammoth Prizetaker Onion.** Immense size, 12 to 18 inches in circumference, bright straw color, flesh white.

344½. **Southport White Globe.** A large, globe-shaped Onion; firm, fine grained; of mild flavor; keeps well. This is one of the handsomest Onions grown, of beautiful shape, clear white skin, and commands the highest market price.

575. **Southport Large Yellow Globe.** Produces bulbs more perfectly globe-shaped and larger than Globe Danvers, but later in ripening; excellent keeper; easily grown from seed the first year, has a beautiful, pale, straw-colored skin; heavy cropper; large size.

206. **Yellow Globe Danvers Onion.** Handsome form, very thick bulb, small neck; very early, enormous cropper; keeps perfectly, of large size, solid and heavy.

576. **Southport Large Red Globe Onion.** Produces large, handsome, globe-shaped bulbs from the seed the first season; are excellent keepers; have glossy, purplish skin; mature little later than Red Wethersfield. Fine grained, mild and tender.

212. **Red Wethersfield Onion.** The most beautiful, large, handsome, globe-shaped red Onion. Perfect form, skin deep, polished red; flesh purplish white; fine grained; produces enormous Onions.

511. **Large White Portugal.** The standard, large flat variety.

210. **Extra Early Pearl, White Queen, or Barletta Onion.** Enormous size; grows full-size roots from seeds the first season; skin pure white, waxy color, flesh snowy white, delicate and tender. Often grows 6 inches in diameter and weighs 3 pounds; valued as a very early sort.

Australian Brown. Skin is light brown, flesh white, crisp, mild and sweet. Especially recommended for its long keeping qualities.

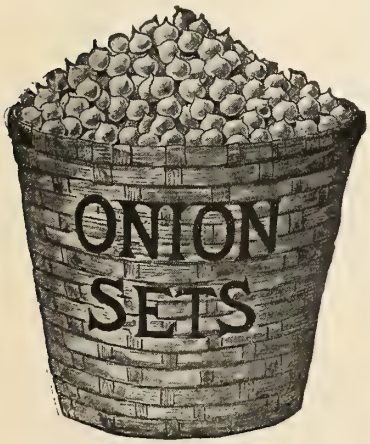
ONION	Pkt.	Oz.	¼ Lb.	Lb.
Ebenezer or Japanese	$ .10	$ .30	$1.00	$3.50
White Silver Skin	.10	.30	.90	3.00
Mammoth Prizetaker	.10	.20	.65	2.25
Southport White Globe	.10	.35	1.00	3.50
Southport Yellow Globe	.10	.20	.65	2.25
Southport Red Globe	.10	.20	.65	2.25
Yellow Globe Danvers	.10	.20	.65	2.25
Large White Portugal	.10	.30	.90	3.00
Pearl or White Queen	.10	.30	1.00	3.75
Red Wethersfield	.10	.20	.60	2.00
Australian Brown	.10	.15	.50	1.75
GENUINE TENERIFFE GROWN BERMUDA ONION				
White Yellow Bermuda	.10	.40	.90	3.00
Crystal Wax Bermuda	.10	.75	1.50	5.00
Red Bermuda	.10	.35	.90	3.00

Bermuda Onions—Genuine Teneriffe Grown

577. **White or Yellow Bermuda.** Skin light straw color, flesh pure white, mild delicate flavor. Will produce full grown onions from seed the same season.

578. **Crystal Wax Bermuda.** Same shape and size of the white skin, is a pure waxy white. Matures in about 100 days, carries well when shipped, a very attractive and desirable sort.

579. **Red Bermuda Onion.** Shape and size similar to white, differing only in color; a most desirable sort.



Send For Special Prices In Quantity

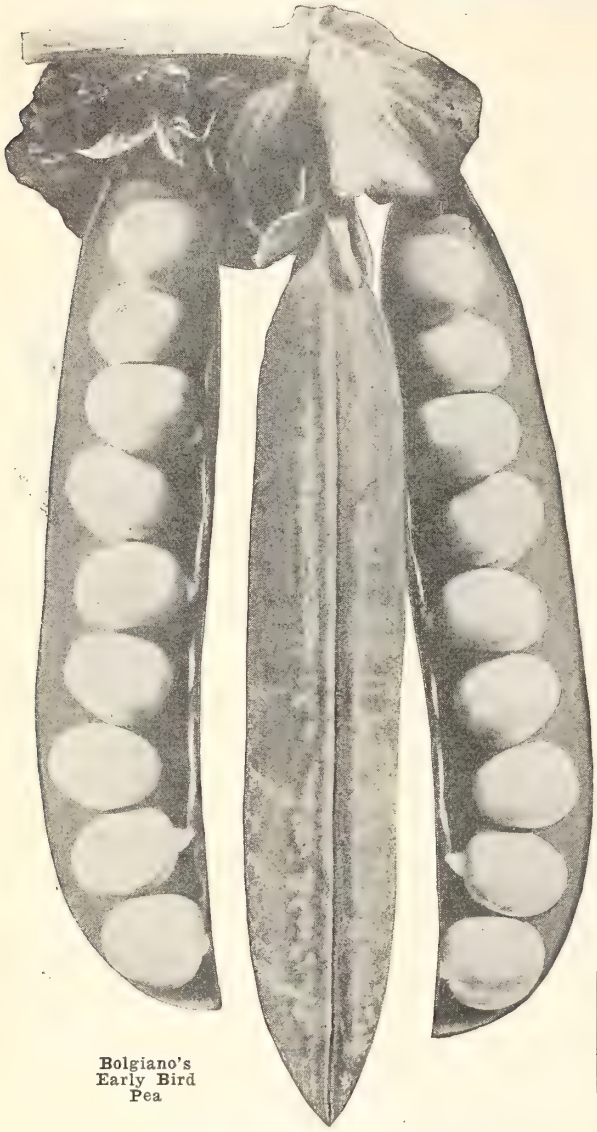
Onion Sets

Plant in drills 18 inches apart, and 4 inches in the rows
Must have high culture
We give a weight bushel of 32 pounds

Onion Sets quoted F. O. B. Baltimore subject to market changes. Postage, Freight and Express charges must be included in remittance. Note weights given.

See Postage Rates, Page 95

	1 Lb. (Qt.)	8 Lb. (Pk.)	32 Lb. (Bu.)
White Silver Skin	$ .35	$1.25	$4.50
Yellow Globe Danvers	.25	1.15	4.25
Red Wethersfield	.25	1.15	4.25
Ebenezer or Japanese	.30	1.25	4.50



Bolgiano's Early Bird Pea

Peas

Garden Peas By Weight
1 pint is about 1 pound. 1 quart is about 2 pounds. 1 peck is about 15 pounds. 1 bushel is about 60 pounds

WEIGHT BY PARCEL POST INCLUDING PACKING
Pint 2 lbs., qt. 3 lbs., 4 qts. 9 lbs., pk. 17 lbs. Parcel post table—See page 95

☞ **Those Marked with a Star (*)** are wrinkled marrows, and unless otherwise stated should be sown thicker than the round Peas, and not until the ground has become warm, as they are more liable to rot. They are the finest flavored of all Peas.

Extra Early Dwarf Varieties

1048. **Bolgiano's Early Bird Peas.** Are unsurpassed for their extreme earliness, superb quality and unusual productiveness. The dwarf vigorous vines 2 to 2½ feet in height are well filled with large, beautiful deep green pods measuring 4 to 4½ inches in length filled with 9 or 10 large delicious peas. Can be sown as soon as the ground can be worked, as they do not rot like the fully wrinkled varieties, and can be pulled as early as the Alaska with pods double the size.

1218. * **100 Per Cent Profit Peas.** A remarkably early wrinkled pea. Plants only grow about 12 inches high, bear an abundance of immense, beautiful deep green pods filled with large luscious peas which retain their green color after they are cooked. Are much earlier, more prolific, have a deeper green color, and more delicious flavor than either the Thomas Laxton or Gradus.

1261. * **Little Marvel Peas.** Dwarf, even growth, 15 in. high. Heavily set with fine pods and frequently borne in pairs. Ready for table fully as early as American Wonder.

1229. * **Laxtonian Peas.** One of the earliest of the large podded wrinkled sorts. Vines grow about 18 inches high, and produce pods from 3 to 3½ inches long and are of an attractive dark green color, and the flavor is extra fine.

Disinfection with Semesan at the rate of 1 ounce to 15 pounds of seed or soaking of the seed in *normal* liquid Semesan for 15 minutes generally increases germination, stand and yields. For full details of treatment ask for Semesan Vegetable Booklet.

1081. * **American Wonder.** It is of dwarf and robust habit, 10 to 15 inches high, and produces a profusion of good-sized and well-filled pods of finest flavor.

1084. * **Extra Early Premium Gem.** Early, large, well-filled straight pods. Height 1 foot.

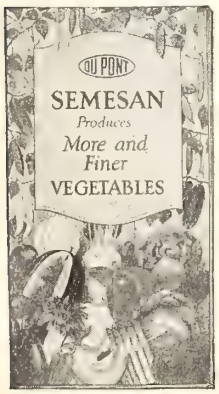
1196. * **McLean's Little Gem.** Very early, prolific; delicious flavor. Height 1¼ feet.

1080. * **Nott's Excelsior Pea.** Vines are more vigorous and taller than the American Wonder, and the pods are one-third larger, containing often 6 to 8 large Peas very close together. Height 1 foot.

1203. * **Sutton's Excelsior.** As early as American Wonder, with much larger pods and more prolific. Height 1 foot.

1078. * **Thomas Laxton.** A cross between Gradus and one of the extra early sorts. It ripens within a day or two of the earliest round varieties. Height 30 inches.

1072. * **Gradus, or Prosperity Peas.** Gradus is in condition to pick about a week after the earliest varieties. The Pods are large, well filled with deep green Peas of the finest quality. Height 3 feet.



See Page 68

IMPORTANT. We pay postage on pkts., 1 and 2 lbs. only, on Peas, Beans and Corn. Larger quantities, postage extra, and must be included in remittance. 30 lbs. and over sold at 100 lb. rate, F. O. B. Baltimore.

We pay postage on 1 and 2 lbs. only. Larger quantities Postage extra. 5 lbs. sold at 15-lb. rate; 30 lbs. and over at 100-lb. rate. F. O. B. Baltimore.

PEAS	Pkt.	(Pt.) 1 Lb.	(Qt.) 2 Lb.	(Pk.) 15 Lb.	100 Lb.
Bolgiano's Climax	$.10	$.50	$ .90	$4.50	$25.00
Bolgiano's Early Bird	.10	.50	1.00	3.75	22.50
Bolgiano's 100 Per Cent Profit	.10	.50	1.00	3.75	22.50
Little Marvel	.10	.45	.85	3.50	21.00
Laxtonian	.10	.45	.85	3.75	22.00
American Wonder	.10	.40	.75	3.10	18.00
Ex. Ea. Premium Gem	.10	.40	.75	3.10	18.00
McLean's Little Gem	.10	.40	.75	3.10	18.00
Nott's Excelsior	.10	.40	.75	3.10	18.00
Sutton's Excelsior	.10	.40	.75	3.10	18.00
Thomas Laxton	.10	.40	.75	3.10	18.00
Graders or Prosperity	.10	.40	.75	3.50	20.00
Long Podded Alaska	.10	.35	.65	2.75	16.00
Bountiful	.10	.35	.65	2.65	15.00
Prolific Early Market	.10	.35	.65	2.65	15.00
Ex. Ea. Alaska	.10	.35	.65	2.65	15.00
Pedigree Extra Early	.10	.35	.65	2.65	15.00
Ameer	.10	.35	.65	2.65	15.00
First and Best	.10	.35	.65	2.65	15.00
Improved Sugar Marrowfat	.10	.35	.65	2.50	13.00
Bolgiano's Cracker Jack	.10	.40	.75	3.10	18.00
Horsford's Market Gardener	.10	.45	.85	3.75	22.00
Juno	.10	.45	.85	3.30	20.00
Bolgiano's Victory	.10	.45	.85	3.50	22.00
Dwarf Giant Podded Prolific Green Marrow	.10	.40	.75	3.10	18.00
Edible Podded Mammoth Melting Sugar	.10	.50	.95	4.00	26.00
Dwarf Grey Sugar	.10	.40	.75	3.10	18.00
Stratagem	.10	.40	.75	3.10	18.00
Champion of England	.10	.35	.65	2.75	16.00
Alderman	.10	.35	.65	3.00	18.00
Telephone Improved	.10	.35	.65	3.00	18.00
Daisy or Dwarf Telephone	.10	.45	.85	3.30	20.00
Dwarf Champion	.10	.40	.85	2.50	15.00

Extra Early Varieties (Round Seeded)

1087. **Long Podded Alaska Pea.** A very good early shipper, and being a hard seeded variety, it can be planted early. Vines grow about 3 feet high, with pods 3 to 3½ inches long, of an attractive frosty, deep green color, of very fine flavor.

1260. **Bountiful Peas.** Bears an abundance of beautiful, green pods, crowded with delicious Peas. Extremely early. Height 2½ feet.

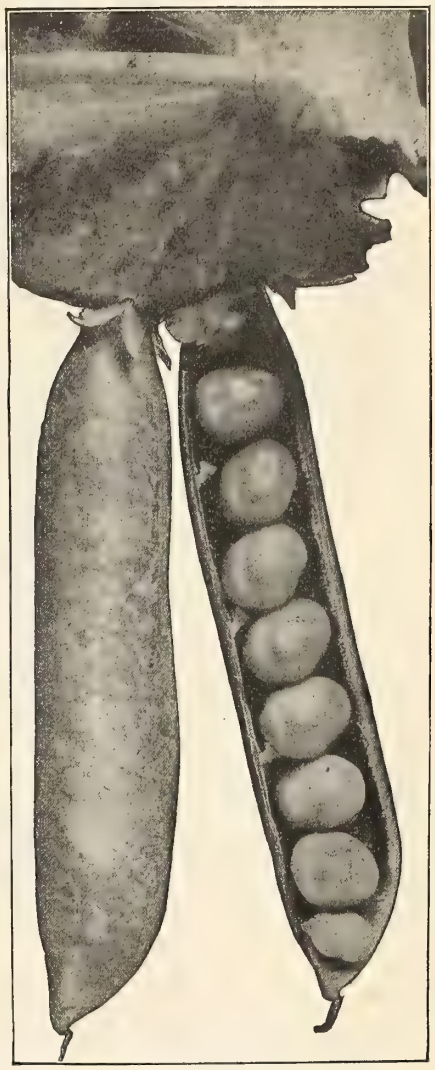
1202. **Prolific Early Market.** Not quite so early as the Pedigree, but the most productive of all the Extra Early Peas. Beautiful large pods, fine quality, one of the best Peas ever introduced. Height 2½ feet.

1071. **Bolgiano's Extra Early Alaska Peas.** By careful selection and thorough roguing we have a fine stock that is unequaled. Height 2½ feet.

1201. **Pedigree Extra Early.** Also known as "The New Early Pea." Extremely early, wonderfully productive and exceptionally uniform stock. Height 2½ feet.

1016. **Ameer Peas.** An exceptionally profitable Early Pea. Green seed. Height 2½ feet.

1074. **First and Best.** First-class selected strain of extra early earlies. Height 2½ feet.



Thomas Laxton Peas

Second Early and General Crop Varieties

1089. ***Bolgiano's Cracker Jack Pea.** Height 2½ feet.

1231. ***Horsford's Market Gardeners' Pea.** One of the largest yielding second early Peas in cultivation. Only 2 feet high. The pods are borne in pairs.

1098. * **Juno.** 2 feet high. Large pods filled with large dark green Peas of delicious flavor.

1303. * **Edible Podded Mammoth Melting Sugar.** The vines reach a height of about 4 feet. The pods are borne in great profusion. They should be gathered when the seeds are just beginning to form. They are broken in pieces the same as string beans and make a delicious dish.

1199. * **Dwarf Gray Sugar.** Grow 18 inches high and produce a heavy crop of small flat pods. The pods are gathered, broken and cooked like string beans when the peas begin to develop in the pod.

1110. * **Stratagem.** Very large pods. Peas of finest quality. Height 1½ feet.

1093. * **Champion of England.** A well-known, standard variety. Height 5 feet.

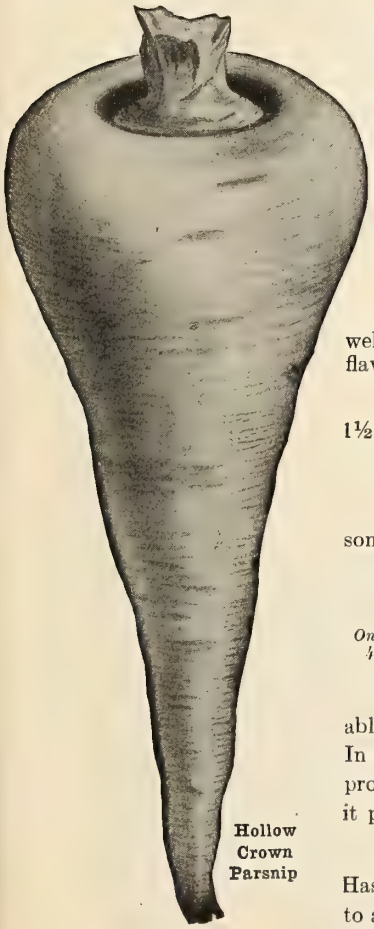
1218½. * **Alderman.** (Admiral Dewey). Extra large, dark green pods, on order of Duke of Albany. Very fine. Height 4 feet.

1085. * **Telephone Improved.** Robust habit. A single vine produces 18 to 30 unusually long well-filled pods of larger size containing 10 to 12 Peas, often forming a double row, of fine flavor. Height 5 feet.

1086. * **Daisy, or Dwarf Telephone.** Plants stout, self-supporting, heavy cropper. Height 1½ feet.

1094. * **Dwarf Champion.** A dwarf growing Champion of England. Height 2 feet.

1077. **Improved Sugar Marrowfat Pea.** Luxurious growth and abundant, large and handsome pods. Height 3 feet.



Hollow Crown Parsnip

One Ounce to 100 Feet of Drill
¼ to 5 Pounds for the Acre

Parsnip

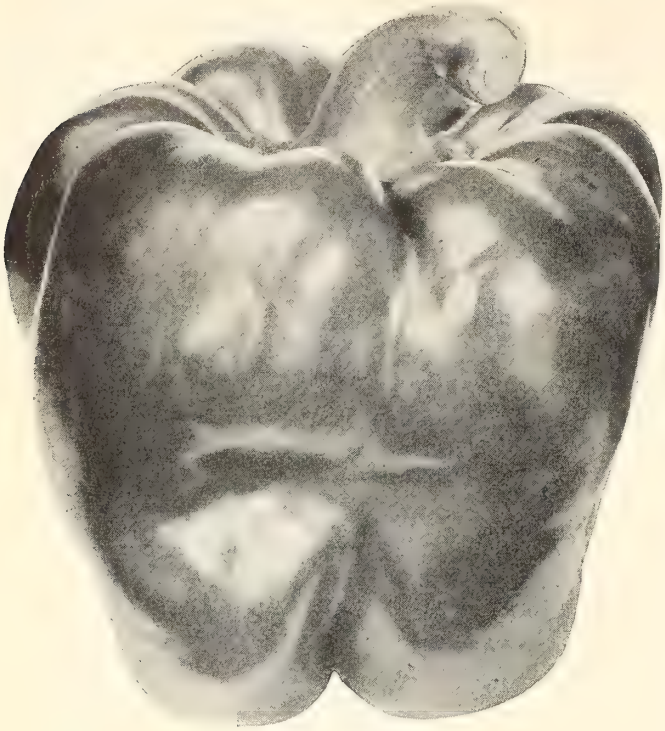
Panais
Chirija
Pastisken

We Pay Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

219. **Bolgiano's Hollow Hub Parsnip.** Hollow Hub Parsnip is hollow crowned to a remarkable degree; it has firm, tender flesh, a delicious delicate flavor, almost entirely without core. In growth it is small and uniform. In fact, Hollow Hub Parsnip is as perfect as it is possible to produce by the most careful selection and breeding. Grow the best, it costs but little more and it pays so much better.

220. **Hollow Crown Sugar Parsnip.** Has thick shoulders, tapers symmetrically to a single tap root. Roots run uniformly smooth, with fine-grained flesh, and good quality.

PARSNIP	Pkt.	Oz.	¼ Lb.	1 Lb.
Bolgiano's Hollow Hub...	$ .10	$ .15	$ .25	$ .75
Hollow Crown Sugar....	.10	.15	.30	.90



World Beater Pepper

485. **Pimento Pepper.** Produces a hardy plant, about 30 inches high, which is very productive. The fruit is cone shaped, measuring 2½ inches across the top, and 3 inches long. The color is bright red, and the flesh is much thicker than other varieties, while the flavor is mild and very desirable. The variety is used extensively by canners.

Control bacterial spot and other surface-borne seed diseases of peppers and prevent seed from rotting in the soil by soaking them before planting for 90 minutes in *normal* liquid Semesan or by dusting with one ounce of Semesan to 15 pounds of seed. Prevent *damping-off* of seedlings by watering with *normal* liquid Semesan. See Semesan Vegetable Booklet for directions. Enthusiastic growers endorse Semesan.

	Pkt.	Oz.	¼ Lb.	1 Lb.
PEPPER				
Bolgiano's Early Scarlet Mammoth	$ .10	$ .45	$1.25	$4.50
Chinese Giant	.10	.65	2.40	7.50
World Beater	.10	.50	1.25	4.50
Neapolitan	.10	.30	1.00	3.50
Ruby King, Selected Stock	.10	.40	1.15	4.00
Sweet Bull Nose	.10	.35	1.00	3.50
Sweet Mountain	.10	.35	1.00	3.50
Red Chili	.10	.40	1.15	4.00
Long Red Cayenne	.10	.40	1.00	3.50
Red Cherry	.10	.40	1.15	4.00
Pimento	.10	.30	1.00	3.50
SALSIFY OR OYSTER PLANT				
Bolgiano's Great Giant	$ .10	$ .25	$ .70	$2.50
Sandwich Mammoth White	.10	.25	.60	2.00
RHUBARB OR PIE PLANT				
Myatt's Victoria	.10	.15	.45	1.50

RHUBARB ROOTS 2 YEAR OLD

(Postage extra) Mailing weight, 2 lbs. each

	Each	1 Doz.	100
Extra Large Fine Roots	$ .20	$1.50	$9.00

Pepper

PIMENT
Piemiento
Pfeffer

Pkts., Ozs. and ¼ Lbs. Delivered Free

Parcel Post Rates, see Page 1

Culture. Sow in hotbeds in March, and when the soil has become warm, set in rows 3 feet apart and 24 inches in the row; hoe frequently; the plants may also be forwarded in small pots.

163. **Bolgiano's Early Scarlet Mammoth Pepper.** Very early and large. Measure from three to three and one-half inches across the top. It is a brilliant red when ripe and the flesh is very sweet and mild.

226. **Chinese Giant.** Most popular of the older varieties. Ripens early, is of good size and flavor. Flesh is rather thick. This variety is a very good shipper.

396. **World Beater.** The largest and heaviest yielder of all and one that will bear until frost.

233. **Neapolitan.** Very early but is much longer than the other early varieties. It usually measures from three and one-half to four inches in length. Plants grow two feet high and are well branched. They bear heavily throughout the season. They are bright red when matured and the flavor is very mild.

227. **Ruby King Selected Stock.** Well known for its hardiness and its blight resistant qualities. A general favorite where early peppers are grown for shipment, especially throughout the South. The flesh is thick and mild and it is used extensively for stuffed peppers.

562. **Sweet Bull Nose.** A Standard early variety. The plants grow vigorous and stocky, and carry the fruit well throughout the season. This pepper is slightly smaller than our Ruby King, and not quite as mild.

229. **Sweet Mountain.** Popular for its sweet mild flavor and large size. This variety is quite a picture, when it is fully matured, as it measures about 2½ inches across the top, and 5 inches long, tapering to about ¾ inch at bottom. It is colored a deep scarlet, slightly shaded with a reddish brown around the stem, which is of medium green.

560. **Red Chili.** This variety grows a plant about 20 inches high and about 18 inches across. The fruit grows 3 inches long and about ¼ inch thick, tapering off to about one-half this thickness to the point, and is slightly curved. It is of brilliant red color, and the flavor is very hot. This variety is a very heavy yielder, it is used mostly for pickling and spices.

561. **Long Red Cayenne.** About 1 inch longer than Red Chili, and matures a few days later, but is equally as hot in flavor. This is the heaviest yielder of the thin varieties.

Salsify or Oyster Plant

SALSIFIS
Ostion Vegetal
Haferwurzel

1 Oz. to 100 Feet of Drill.
8 to 10 Lbs. in Drills for an Acre.
25 to 35 Lbs. Broadcast for an Acre.

Culture. Sow as early as the ground can be worked in the Spring, in drills 12 inches apart, 1 inch deep, and thin out to 6 inches to the row. Keep them free from weeds. Cultivate the same as Carrots and Parsnips. Sow 8 to 10 pounds to the acre. One ounce to 100 feet of drill.

275. **Bolgiano's Great Giant Salsify.** The largest, purest and best Salsify to grow.

276. **Sandwich Mammoth White Salsify.** Superior in quality, pure white color, very meaty and fine flavor.

Great Giant Salsify

Rhubarb or Pie Plant

Culture. The seed should be sown in a shallow drill, using 1 ounce to 150 feet of row. When well started, thin to stand 10 to 12 inches apart. The stalks should not be gathered until the plants have had a full season's growth.

Rhubarb Roots. Roots listed below, if planted in good soil in the Spring, will make a strong growth and yield stalks for market the following spring.

Myatt's Victoria. The most popular variety; comes quite true from seed.

Maine Grown Seed Potatoes

POMME DE TERRE *Patatas* Kartoffeln

Because of market fluctuations, we are not quoting prices in this catalogue. Write us for prices when you are ready to buy

Culture. Select good, well drained, fibrous loam soil. Open furrows 3 feet apart and 3 to 4 inches deep. Apply the fertilizer, and run the furrower or small plow again in the furrow to mix the fertilizer with the soil. Then plant good-sized pieces, with 2 or 3 eyes, 15 inches apart in the furrows for early Potatoes, and 18 inches apart for late ones. Cultivate often. 8 to 10 bushels will plant an acre.

Bolgiano's Famous Prosperity Potato. Yields fine crops of even, fine, smooth, large Potatoes under the most unfavorable circumstances. Flesh is as white as snow and cooks dry.

Bolgiano's Trust Buster Potato. This variety will insure you a crop that will be far beyond your expectations. It is of medium large size, with very smooth skin. It is mealy when cooked, and has very fine flavor.

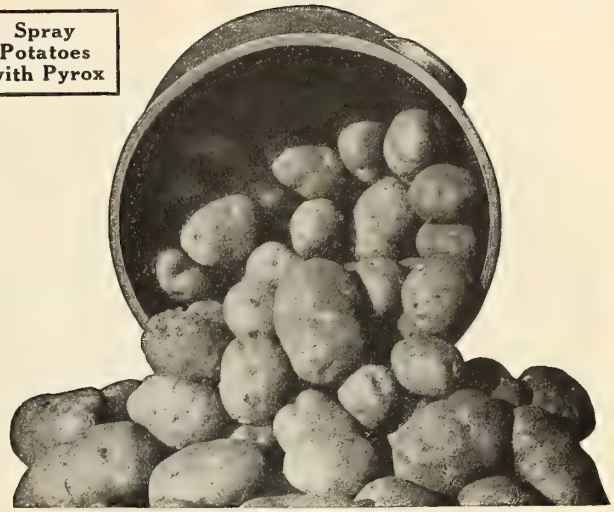
Red Bliss Triumph or Improved Red Bermuda. One of the earliest varieties grown. Its great productiveness, handsome color and resistance to disease make it most popular.

Early Round Six Weeks. Very early, resembles the Irish Cobbler in shape but is about one-third smaller, and a week or ten days earlier. Skin is red but flesh is pure white.

Irish Cobbler. Round to oval in shape, smooth skin, pure white flesh. Early, very popular.

Michigan Rural Russett Potato. A good late variety that is becoming more popular each season especially in northwestern and north central states. It is resistant to blight, and will stand more wet and cold weather than other varieties, and yield 25% more. Resembles Green Mountain in general appearances except it has very shallow eyes, and slopes off at ends like the Irish Cobbler.

Spray Potatoes with Pyrox

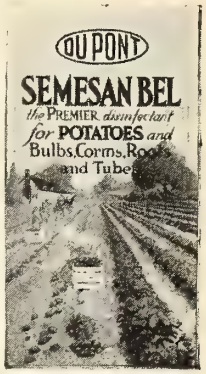


Bolgiano's Famous Prosperity Potatoes

Spaulding No. 4 Early Rose. Selection of the Early Rose, is earlier, a bigger yielder and a decided improvement on the old variety. Does not grow as long, the tubers being shorter, inclining to round.

Dakota Red also called **Jersey Red.** This potato is fast taking the place of the McCormick, which it equals, in yield and keeping qualities and its cooking quality is far superior, it cooks dry and mealy, skin is red, flesh pure white.

Green Mountain. A very popular main crop Potato.



See page 68

Pumpkins

POTIRON *Calabaza* Große Kürbis

Culture. May be planted middle of Spring among Indian Corn or in field or garden, in hills 8 to 10 feet apart each way, 4 seeds in a hill; in other respects are cultivated in same manner as Melons and Cucumbers; avoid planting near other vines. 2 Lbs. to acre.

102. **King of the Mammoth or True Potiron.** The Great Prize Pumpkin growing the largest of all, from 100 to 200 pounds in weight, bright yellow, tender, excellent.

1069. **Connecticut Field or Large Yellow Pumpkin.** Excellent for stock feeding.

89. **Large Cheese Pumpkin.** Forms flat like a cheese; a sure cropper and extensively grown for canning.

Boston Marrow Squash Often Called Pumpkin

274. **Improved Winter Crookneck or Cushaw.** Mottled green and white; flesh is yellow, solid, fine grained and sweet; excellent for pies.

1058½. **Kentucky Large Field.** Flat, fine for Pumpkin pies, Winter, etc.

225. **Sweet Potato Pumpkin.** Finest variety for table.

365. **Winter Luxury.** A superior pie Pumpkin, small but enormously productive and an excellent keeper; shape slightly oval, about 10 inches in diameter, color golden-russet, finely netted; flesh deep golden, sweet and tender.

402. **New England Pie or Sugar Pumpkin.** A small round sort; very sweet, fine grained and of the best quality.

403. **Japanese Pie Pumpkins.** A large, crookneck sort. Skin green, striped yellow; flesh yellow and of fine quality.

PUMPKINS	Pkg.	Oz.	¼ Lb.	1 Lb.
Improved Winter Crookneck or Cushaw.	$.10	$.15	$.40	$1.25
Kentucky Large Field		.10	.25	.75
King of the Mammoth or True Potiron.	.10	.15	.40	1.25
Connecticut Field or Large Yellow		.10	.25	.75
Sweet Potato	.10	.15	.30	1.00
Winter Luxury	.10	.15	.30	1.00
New England Pie or Sugar	.10	.15	.30	1.00
Japanese Pie	.10	.15	.30	1.00
Large Cheese	.10	.15	.25	.85
Small Sugar Pumpkin	.10	.15	.25	.85

Bolgiano's Ruby King Radish

Radish

Radis et Rade
Rabanos y Rabanitos
Rabieß und Rettig

We Pay Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

2 Ozs. to 100 Feet of Drill

Culture. Sow as soon as the ground is dry in the Spring, in rows 12 to 18 inches apart, every week or 10 days for succession, up to the middle of June, after which they are little used, unless a cool northern spot can be found where the ground is shaded during part of the day. They should be sown in light, rich soil, as a crisp radish cannot be produced in heavy soils. Sow also in early Fall for late crops and Winter use. Sow 8 to 12 pounds to the acre. Radishes should be eaten when quite small; it is a mistake to let them grow too long and too large. This applies, particularly to Ruby King and small turnip-shaped sorts.

5 lbs. and over 10c per lb. less, transportation extra	Pkt.	Oz.	¼ Lb.	1 Lb.
RADISH				
Bolgiano's Extra Early Ruby King	$.10	$.15	$.35	$1.00
Bolgiano's Strawberry	.10	.15	.35	1.00
Bolgiano's Round Scarlet Globe	.10	.15	.25	.90
Scarlet Turnip White Tip	.10	.15	.25	.90
Crimson Giant Globe (Originator's Stock Seed)	.10	.15	.25	.85
French Breakfast	.10	.15	.25	.90
Felton's Model or Philadelphia White Box	.10	.15	.25	.90
Early Snowball Forcing White Turnip	.10	.15	.25	.90
Bolgiano's Solid Crimson King	.10	.15	.25	.85
EARLY LONG RADISH				
Long Scarlet Short Top	.10	.15	.25	.90
Cincinnati Market	.10	.15	.25	.90
White Pearl Forcing Bolgiano's Ea. Long	.10	.15	.25	.90
Lady Finger or White Vienna	.10	.15	.25	.90
White Icicle	.10	.15	.25	.90
WINTER RADISH				
Short White Chinese Winter or Celestial	.10	.15	.25	.90
Osaka	.10	.15	.25	.90
Round White Spanish	.10	.15	.25	.90
Chinese Rose Winter	.10	.15	.25	.90
Long White Spanish Winter	.10	.15	.25	.90
Long Black Spanish Winter	.10	.15	.25	.90
Round Black Spanish	.10	.15	.25	.90
SUMMER OR AUTUMN RADISH				
White Strasburg	.10	.15	.25	.90
Large White Globe Summer	.10	.15	.25	.90
Giant White Stuttgart	.10	.15	.25	.90
Chartier or Shepherd	.10	.15	.25	.90

230. **Bolgiano's Extra Early Ruby King Radish.** Bolgiano's Extra Early Ruby King Radish is by far the best extra early radish. Olive shape, bright glistening scarlet color, small tops, very solid and crisp. Equally good for forcing or open ground culture.

258. **Bolgiano's Strawberry Radish.** A delicious, crisp, tender, brilliant red radish, perfect globe shape, very early, matures in about three weeks. We are sure it will please you, try it.

239. **Scarlet Turnip White Tip Radish.** Round, bright scarlet, attractive, white tip, matures in 25 days.

238. **Bolgiano's Round Scarlet Globe Radish.** Rich, scarlet color, faultless shape, matures in 20 days.

231. **Felton's Model or Philadelphia White Box Radish.** Handsome and early, with fewer short leaves, hence can be sown thickly in the row.

240. **Crimson Giant Globe Radish. Originator's Stock Seed.** This is an entirely new variety, suitable for forcing or early outdoor planting.

235. **French Breakfast Radish.** Quick growth, mild, tender, good for forcing.

248. **Bolgiano's Solid Crimson King.** Double the size of the ordinary early turnip-shaped Radishes, this one often measuring 6 to 7 inches in circumference; the shape varies between round and oval; adapted for either open ground or forcing.

Early Long Varieties

255. **Improved Early Long Scarlet Short Top.** The finest strain of the most popular Radish. The long, slender, handsome red roots are most attractive. They are ready in about 25 days. Crisp, brittle and of choicest quality. Length 5 to 6 inches.

252. **Cincinnati Market.** A strain of the Long Scarlet, growing to slightly larger size, fully as early and darker in coloring.

537. **Early Frame.** This is an extra early strain of the Long Scarlet Short Top, largely used for growing under glass.

249. **White Pearl Forcing. Bolgiano's Extra Early Long Radish.** Sweet, crisp flavor, very popular and profitable.

257. **White Icicle Radish.** Introduced from Europe, is one of the finest and longest of the very early, pure white varieties.

253. **Lady Finger or White Vienna.** Long white, very early, attractive.

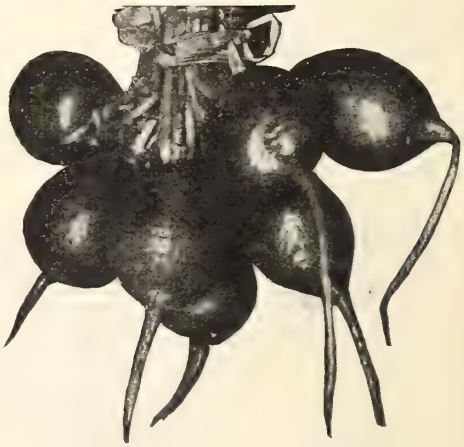
256. **Short White Chinese Winter or Celestial Radish.** The best of all Winter Radishes.

254. **White Strasburg Radish.** The most popular Summer Radish; of oblong shape, tapering to a point. Skin and flesh are pure white, almost transparent; very tender, of a delightful pungent taste.

243. **Large White Globe Summer.** Deliciously mild and sweet.

244. **Giant White Stuttgart.** An immense white summer radish.

247. **Chartier or Shepherd.** Long, crimson, tipped with white.



Bolgiano's True Scarlet Globe Radish

We Pay Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

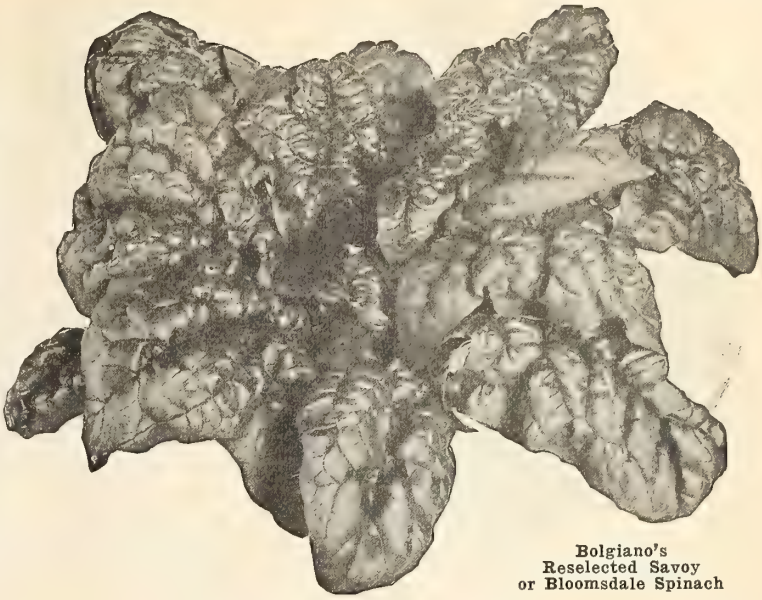
Spinach

EPINARD
Espinaca
Spinat

1104. **Reselected Savoy or Bloomsdale.** A standard variety, used extensively, by large growers for their main crop, both in the Fall and Spring. Grows a large, crimpled, curled, dark green leaf with very short stem. The plants on well fertilized soil, when not allowed to stand too closely together, will grom from 10 to 12 inches across the top. This variety is an excellent shipper. Our stock of this variety has been carefully grown, to keep it the true curled type. We offer Reselected stock only.

605. **Princess Juliana.** New very dark green curled long-standing variety will stand longer in the spring without shooting to seed than any other variety.

1232. **Triumph Spinach.** This excellent new Spinach is nearly double the size of the Victoria and has all its good qualities. Very profitable for market gardeners and shippers.



Bolgiano's Reselected Savoy or Bloomsdale Spinach

444. **King of Denmark Spinach.** A very popular variety of recent introduction, and has proven very successful to grow in hot weather. The color is darker green than most varieties, and the leaves are well crimpled and very attractive.

1108. **Long Standing, Savoy or Bloomsdale Spinach.** Leaves are large, thick, fleshy, and crumpled, fully equal to the Savoy Leaf. Does not bolt to seed quickly, a profitable variety to grow in mid-summer.

1262. **New Zealand Spinach.** This variety endures heat and drought; excellent for Summer use.

Squash

COURGE
Calabaz
Spelse Kurbis

We Pay Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

1 Oz. Bush Varieties for 40 Hills; Large Seeded Varieties, 15 Hills; 2 to 3 Lbs. Bush; 3 to 4 Lbs. Large Seeded per Acre

Culture. Sow in hills in the same manner and at the same time as Cucumbers and Melons, the bush varieties 3 to 4 feet apart, and the running kinds from 6 to 9 feet apart.

Bush Varieties

329. **Fordhook Bush.** Early, sweet and dry, oblong, bright yellow, one of the handsomest and best keeping Winter varieties, also a good Summer sort.

269. **Golden Summer Crookneck Squash.** Of dwarf, bushy habit, very productive; skin yellow; flesh greenish-yellow color, dry and agreeable flavor.

265. **Extra White Bush Scalloped or Patty Pan Squash.** Good size, uniform, a heavy cropper, and early. The skin is white and the flesh fine grained and tender.

304. **Mammoth or Giant Summer Crookneck Squash.** Double the size of the ordinary Crookneck and very warty; fine for market.

585. **Cocozelle Bush.** Of compact bush growth, with dark green foliage; the fruits are oblong, 12 inches or more in length, and 4 to 5 inches in diameter. Skin dark green, with stripes of a still deeper shade.

Early Dawn Squash

331. **Bolgiano's Extra Early Dawn Squash.** The earliest and finest white Bush Squash.

267½. **Mammoth White Bush Scalloped.** Frequently 12 to 14 inches in diameter.

Running Varieties

273. **Boston Marrow.** Oval, bright orange, flesh yellow. Our stock is exceptionally fine.

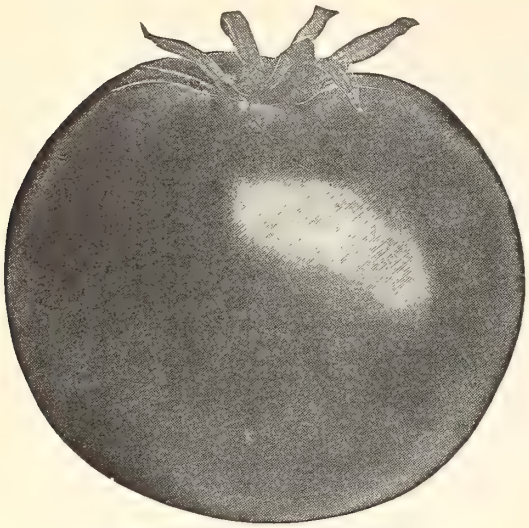
80. **The True Hubbard Squash.** Vines of strong running growth; fruits large, olive shape, with dark green skin, very rich flesh. An excellent keeper and of splendid quality. Our strain is extra fine.

330. **Chicago Warted Hubbard.** A superior strain of mammoth size with skin heavily warted.

SPINACH	Oz.	¼ Lb.	1 Lb.
Reselected Savoy or Bloomsdale	$ .10	$ .15	$ .40
Princess Juliana	.10	.25	.60
Long Standing Savoy	.10	.25	.60
King of Denmark	.10	.15	.50
Triumph	.10	.15	.45
New Zealand	.10	.30	1.00

10 lbs. and over 10c lb. less, transportation extra.
Write for special prices in large quantities.

SQUASH	Pkt.	Oz.	¼ Lb.	1 Lb.
Golden Summer Crookneck	$.10	$.15	$.30	$1.00
Extra White Bush Scalloped or Patty Pan	.10	.15	.35	1.00
Mammoth or Giant Summer Crookneck	.10	.15	.35	1.25
Cocozella	.10	.15	.45	1.50
Bolgiano's Extra Early Dawn	.10	.15	.40	1.25
Mammoth White Bush Scalloped	.10	.15	.35	1.00
Boston Marrow		.10	.35	1.00
The True Hubbard	.10	.15	.35	1.00
Chicago Warted	.10	.15	.40	1.25



Bolgiano's Select Bonny Best Tomato

Tomato

We Pay Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

French	*German*	*Italian*	*Spanish*
Pomme d'Amour	Liebesapfel	Pomo d'Oro	Tomate

Red Tomatoes

600. **Bolgiano's Monumental Tomato.** (Specialty, see page 2.)

460. **The Bolgiano Tomato.** A week earlier than the Earliana. First fruit as good as the prime of the season. A solid mass of red, meaty flesh. Skin tough, flesh tender and sweet. Stands long-distance shipping perfectly.

234. **Bolgiano's John Baer Tomato.** A perfect high crown tomato entirely free from core, an enormous yielder setting its fruit in clusters, ripens evenly up to the stem end. Mild deliciously sweet flavor with very few seeds. Brilliant glistening red color.

277. **Bolgiano's Extremely Early IXL.** One of the largest of the extra early smooth varieties. Beautiful brilliant red color, very prolific and a splendid shipper.

77. **Bolgiano's My Maryland.** It is an exceptionally heavy yielder of uniform well-shaped solid, smooth, bright red fruit, free from cracks. It is very deep through from stem to blossom end. A second early or main crop variety.

Red Varieties—Continued

332. **Bonny Best Early Tomato.** This is a very early and very popular variety, quite as early as the best strains of Earliana Tomato; it is a vigorous grower, enormously prolific, with splendid foliage and of an intense velvety glowing scarlet color; ripens evenly all over.

Norduke. A wilt resisting strain of "The Stone" Tomato was developed and called "Norton." This was crossed with "Duke of York," a resistant variety, and from this cross was selected and developed this new "Norduke" Tomato, the best of all wilt resisting varieties. Medium early; large, smooth red fruits; heavy bearer.

279. **Bolgiano's Greater Baltimore Tomato.** The greatest canning tomato ever introduced, without a superior for size, shape, color and yield. Makes a crop under more adverse weather and soil conditions than any other known sort. Outyields the best cropping varieties. Ours is the original pedigree stock.

Norton Wilt Resistant. A main crop, scarlet-fruited variety. Norton is very similar to The Stone. In fact it was a selection for wilt resistance from The Stone. Fruit is of medium size, smooth and solid. Norton is a heavy bearing variety and gives a good crop. The vines make a medium to heavy growth.

311. **Bolgiano's Florida Special Tomato.** Almost globe shaped, beautiful red color, fine flavored, firm, solid, very prolific and about as early as Earliana. A most excellent shipper standing long distance shipping from Florida to Northern markets exceedingly well. It is bred to resist blight.

287. **Chalk's Early Jewel.** Very fine sort; large, solid, smooth, bright red.

286. **Sparks' Earliana Tomato.** It is remarkable for its earliness, very large size, handsome shape and bright red color.

288. **King of the Earlies Tomato.** Large and productive. Very early.

307. **Stone Tomato.** We have the true stock, free from rust and blight, of this valuable Tomato.

572. **Red Rock Tomato.** A fine, large, solid, smooth Tomato, of very fine, red color. A heavy producer and an excellent shipper.

Yellow Tomatoes

383. **Yellow Pear-Shaped.** A pretty little Tomato, used for pickling and preserving; very prolific.

385. **Yellow Plum-Shaped.** Larger than the Pear-Shaped; deep yellow, popular for preserving.

Disinfection of the seed by dusting with Semesan at the rate of 1 ounce to 15 pounds of seed or by soaking them for 25 minutes in *normal* liquid Semesan prevents seed rotting in soil, increases stand, vigor and yield of plants. Ask for Semesan Vegetable Booklet giving complete directions. See page 68.

Pink Tomatoes

289. **Dwarf Champion.** Dwarf, stiff habit, dark green foliage, scarcely needing any support. It is very early and wonderfully prolific. Color same as Acme. It is perfectly round and smooth, of medium size.

264. **Livingston's Globe.** This Tomato is attracting a great deal of attention among Southern Shippers as a Tomato for the early market.

282. **Livingston's Beauty Tomato.** Large, smooth, dark pinkish red, thick flesh.

268. **June Pink Tomato.** This is the Pink Earliana Tomato, and where a Pink Tomato is in demand it is most profitable to grow.

303. **Crimson Cushion.** Very large, bright scarlet, fine flavor.

TOMATOES	Pkt.	Oz.	¼ Lb.	1 Lb.
The Bolgiano	$ .20	$ .40	$1.25	$4.00
Bolgiano's Monumental	.10&.25	.50	1.75	6.00
Bolgiano's John Baer	.10	.40	1.00	3.50
Bolgiano's Ex. Early I.X.L.	.10	.40	1.00	3.50
Bolgiano's My Maryland	.10	.40	1.25	4.00
Norduke	.20	.40	1.40	4.50
Bolgiano's Greater Baltimore	.10	.40	1.25	4.00
Norton	.20	.40	1.25	4.00
Bolgiano's Florida Special	.10	.30	.85	3.00
Bolgiano's Great B. B.	.10	.30	.85	3.00
Bonny Best Early	.10	.40	1.00	3.50
Chalk's Early Jewel	.10	.35	1.00	3.50
Spark's Earliana	.10	.25	.75	2.75
King of the Earlies	.10	.40	1.00	3.50
Stone	.10	.25	.75	2.75
Red Rock	.10	.25	.75	2.75
Matchless	.10	.25	.75	2.75
Dwarf Champion	.10	.40	1.10	3.75
Livingston's Globe	.10	.40	1.25	4.00
Livingston's Beauty	.10	.30	.85	3.00
June Pink	.10	.45	1.25	4.50
Crimson Cushion	.10	.40	1.10	4.00
Yellow Pear-Shaped	.10	.50	1.50	5.00
Yellow Plum-Shaped	.10	.50	1.50	5.00
Yellow Peach	.10	.50	1.50	5.00
Yellow Cherry	.10	.50	1.50	5.00
Red Cherry	.10	.50	1.50	5.00
Red Pear Shaped	.10	.50	1.50	5.00

Navet Weisse-Rübe

Garden Turnips and Ruta Baga

Nabo Navone

We Pay Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

Culture. The Turnips require a rich soil. For an early crop sow early in Spring soon as soil can be worked in drills 18 inches apart. Thin out to stand 3 inches apart. These will be ready for use before hot weather develops. Late Turnips are usually sown broadcast on land from which some early crop has been removed, during July or August.

Ruta Baga are usually sown in June in drills 30 inches apart. Thin out to stand 6 inches apart in row.

313. **Purple Top White Globe.** As a profitable sort for home or market it is unsurpassed. It is a large, rapid growing sort, with globular shaped roots. Flesh pure white. The skin is white and purple, the under portion being white and the top bright purple. (See illustration.)

321. **Southern Seven Top.** Hardiest of all sorts, may be left standing in the open ground during Winter. In the Southern States it yields in the Spring abundant foliage for boiling with cured meats and is only desirable for this purpose.

305. **Extra Early White Milan.** Extra early, tender and delicately flavored; the bulb is of medium size, very handsome, smooth and of clear ivory-white both inside and out.

315. **Extra Early Purple Top Milan.** Flat, smooth, of medium size, with bright purple top and few leaves. Flesh white and choice. Adapted to Spring or Fall. A good keeper.

328. **Large White Norfolk.** Popular in the South. Stands the Winter.

325. **Pomeranian White Globe.** Good either for table or stock. Very productive.

Purple Top Globe Turnip

320. **White Egg.** Oval or egg shape, flesh firm and sound-grained, thin and perfectly smooth skin of snowy whiteness.

323. **Early White Flat Dutch.** Pure white, flat strap-leaf Turnip. Early, medium size, excellent quality for early Spring sowing.

316. **Yellow Globe.** Yellow Globe is a wonderful cropper, and keeps far into the following year. It begins to bulb at the very start and forms large-sized roots and small tops.

324. **Purple Top Yellow Aberdeen.** Medium size, round, flesh pale yellow, tender and sugary. The plant is hardy, productive and keeps well.

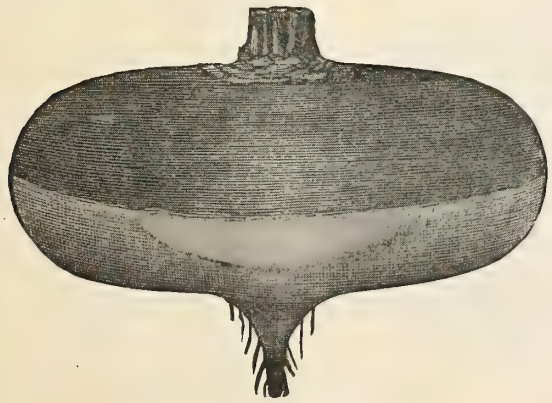
314. **Early Red or Purple Top White Flat Strap-Leaf Turnip.** This is one of the best table Turnips on the market, being fine grained and of mild flavor. It is white below, with a bright purple top; flesh white, leaves short, narrow and erect. Will mature in 8 or 9 weeks.

530. **Southern Prize or Dixie.** Makes large, round, white Turnips.

159. **White Top White Globe Strap-Leaf.** Of a perfect globe shape, about six inches in diameter, with smooth, all pure white skin; flesh snowy white, firm and crisp, and of quick growth.

322. **Large Amber Globe.** Flesh yellow, fine grained and sweet; hardy, keeps well, a good cropper. Popular in the South.

326½. **White Cow Horn.** A white turnip of peculiar long shape and quick maturity. It grows to a large size, standing half out of the ground.



Purple Top Strap Leaf Turnip

326. **Yellow Cow Horn.** A yellow Turnip of peculiar long shape and quick maturity. It grows to a large size, standing half out of the ground. Used principally for stock.

317. **Golden Ball, Orange Jelly or Robertson's.** Flesh sweet and firm.

318. **Yellow Stone.** Flesh crisp, tender, of fine quality.

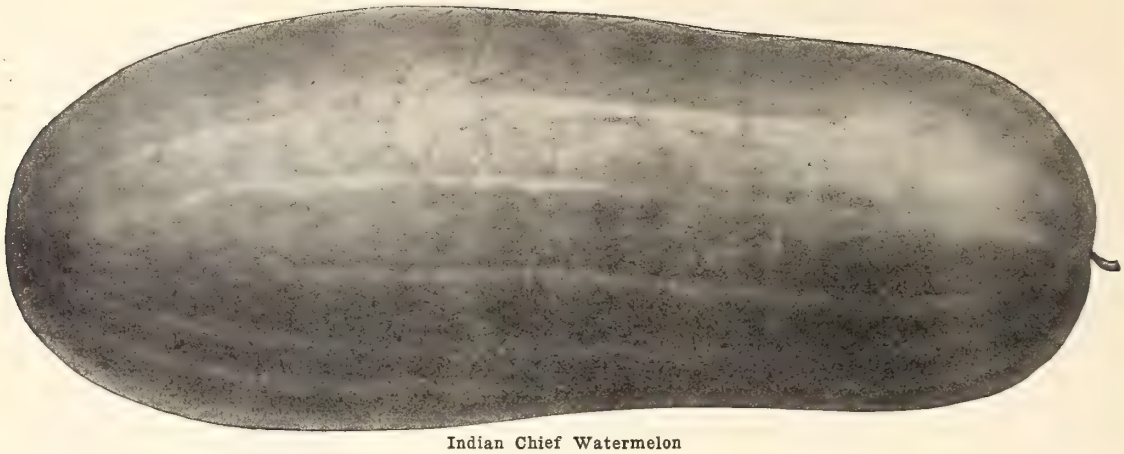
434. **Grey Stone Turnip.** Resembles the Purple Top White Globe. Meat white and tender. Top greyish red. Early and one of the first ready for the markets early in the Fall.

327. **Ruta Baga, Market Gardeners' Improved Purple Top.** Our Ruta Baga is select, yields enormous crops of handsome, large, solid, yellow-fleshed Turnips; is grown largely for cattle food; keeps over Winter till Spring in good condition. It is also used as a table vegetable because of its sweetness.

446. **Bolgiano's Perfect Model Ruta Baga.** Excellent variety for table use. Flesh golden; very sweet; not the least bit stringy or tough. Far superior to any of the other varieties and much nicer than the Swede Turnip. Solid and crisp until Spring. Never gets pethy. The kind that home gardeners and market gardeners will appreciate.

10 lbs. and over 10c lb. less, transportation extra.

TURNIP	Oz.	¼ Lb.	1 Lb.
Purple Top White Globe	$ .10	$ .20	$ .65
Southern Seven Top	.10	.20	.65
Extra Early White Milan	.10	.30	1.00
Extra Early Purple Top Milan	.10	.30	1.00
Large White Norfolk	.10	.20	.65
Pomeranian White Globe	.10	.20	.65
White Egg	.10	.20	.65
Early White Flat Dutch	.10	.20	.65
Yellow Globe	.10	.20	.65
Purple Top Yellow Aberdeen	.10	.20	.65
Early Red or Purple Top White Flat Strap Leaf	.10	.20	.65
Southern Prize or Dixie	.10	.20	.65
White Top White Globe Strap Leaf	.10	.20	.65
White Amber Globe	.10	.20	.65
White Cow Horn	.10	.20	.65
Golden Ball Orange Jelly or Robertson's	.10	.20	.65
Yellow Stone	.10	.20	.65
Grey Stone	.10	.20	.65
RUTA BAGA			
Market Gardener's Improved Purple Top	.10	.25	.75
Bolgiano's Perfect Model	.10	.25	.75



Indian Chief Watermelon

Watermelon

French	*German*	*Italian*	*Spanish*
Melon d'Eau	Wasser-Melone	Melone d'Aqua	Sandia

Culture. Require a rich, though sandy soil for perfect development, and thrive best in warm latitudes, such as the Southern or Southwestern States, although in a warm sandy soil in a more northern latitude fine crops are often obtained. Cultivate and treat exactly as for Muskmelons, except that the hills should be eight to ten feet apart. 1 ounce seed to 30 hills; 3 to 4 pounds for an acre.

405. **General Pershing Watermelon.** A wonderful producer. No culls. Stands dry weather. Disease resistant. The sparkling red flesh is as sweet as honey. Size uniformly large. Color a light pea green. Will not sunburn. Ripens earlier than Tom Watson.

WATERMELON	Pkt.	Oz.	¼ Lb.	1 Lb.
Bolgiano's Indian Chief	$ .10	$ .15	$ .35	$1.00
Bolgiano's Cold Mountain Spring	.10	.15	.35	1.00
General Pershing	.10	.15	.35	1.00
Irish Gray	.10	.15	.25	.85
Florida Favorite	.10	.15	.25	.85
Tom Watson	.10	.15	.25	.85
Georgia Rattlesnake	.10	.15	.25	.85
Alabama Sweet	.10	.15	.25	.85
Peerless or Ice Cream	.10	.15	.25	.85
Long Light Icing	.10	.15	.25	.85
New Excel	.10	.15	.35	1.00
Kleckley's Sweet Improved	.10	.15	.35	1.00
Halbert Honey	.10	.15	.35	1.00
Coles Early	.10	.15	.25	.85
Stone Mountain	.10	.15	.50	1.50
Thurmond Grey	.10	.15	.35	1.00
New Perfection	.10	.15	.40	1.25

406. **Irish Gray Watermelon.** The size is uniform and large. Color of rind gray. Ripens earlier than Tom Watson and will keep in good condition for a long time after picking. Very prolific and a good shipper. A fine market sort.

176. **Florida Favorite.** An oblong melon, with dark green skin faintly striped with lighter green, deep red flesh of excellent flavor. One of the best table sorts. Not a good shipper. Ripening 80 days.

245. **Tom Watson Watermelon.** A large, oblong melon, dark green rind. Rind is thin but tough. Flesh deep red, tender, firm and sweet.

178. **Georgia Rattlesnake or Striped Gypsy.** Shape oblong, of light green color and beautifully mottled and striped with a light shade; flesh scarlet, rind thin, very solid, and both sweet and delicious.

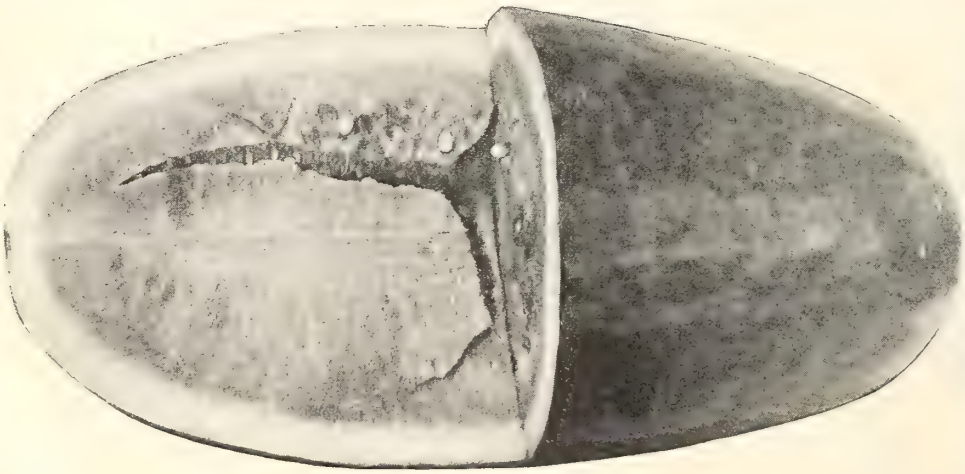
602. **Thurmond Grey.** Oblong in shape, rind very tough making it a very good shipping variety, color light green shading to grey with veins resembling the Watson.

217. **Peerless or Ice Cream Watermelon.** Very early and one of the best; form oval, rind mottled light green, flesh firm and sugary.

181. **Alabama Sweet.** Good size, very uniform, long, dark green skin, red flesh.

381. **Excel.** A long dark green melon, quite attractive in apearance, has very good flavor. A popular market sort.

192. **Kleckley's Sweet.** Color dark green, oblong shape usually about twenty-two inches long. This variety is used mostly in the home garden, because of its tenderness.



Halbert Honey Watermelon

31. **Halbert Honey.** Average 18 to 20 inches long, bluntly rounded at both ends. Skin dark green. Flesh a beautiful, rich crimson, sweet and luscious, ripens to the rind.

173. **Coles Early.** Strictly a home market melon, almost round in shape. Rind light green, striped with broad bands of dark green. Flesh bright red, crisp and delicate texture. Ripening 80 days.

172. **Bolgiano's Indian Chief Watermelon.** A large oblong dark green melon, with thick netting, the rind is thin but very tough. The flesh is a bright attractive red, and has a crisp delicious flavor. It is very productive, and is an excellent shipper.

Enormous Crops of Hay are Produced from Bolgiano's "Monumental" Brand Seeds

Bolgiano's "Monumental" Brand Field Seeds

REPRESENTS THE BEST SEED OBTAINABLE BOTH AS RESPECTS PURITY AND GERMINATION. YOU ARE ALWAYS SAFE WHEN YOU ORDER "MONUMENTAL" BRAND FIELD SEEDS

Owing to the new crop not being on the market when this catalog goes to press, we are unable to make prices on a number of items. We ask, therefore, that you kindly write us for prices. All prices subject to market changes

POSTAGE EXTRA AND MUST BE INCLUDED WITH REMITTANCE. **PARCEL POST TABLE PAGE 95.**

Alfalfa Seed

1128. **Alfalfa Yields Splendidly Throughout the South, Yielding 4 to 6 Cuttings Per Year, Increasing Yield Each Successive Year.** Experiment stations place the feeding value of Alfalfa hay at $20 per ton, as against Timothy hay at $12 per ton. The acreage of Alfalfa is increasing very largely all over the Middle and Southern States; our farmers are fast beginning to realize what a valuable crop it is for this section. Alfalfa will succeed and do well on any good loamy, well-drained soil, but the land must be well and thoroughly prepared for the best results. A heavy application of lime is of decided benefit—2000 to 5000 lbs. per acre. Alfalfa is usually sown broadcast at the rate of 20 to 30 lbs. to the acre, although some of our customers claim that thicker seedings give better crop results. March and April are the best months for seeding in the Spring, and the latter part of August and during September the best in the Fall. Our Alfalfa seed is the highest grade, strong germinating seed of the best and cleanest quality it is possible to procure.

Price "Monumental" Brand Fancy Seed, Bu. of 60 lbs. $15.00. Prices fluctuate. Write us for market prices.

Grimm Alfalfa. This variety is very hardy and is recommended for sections having extreme cold weather as it will succeed where the common variety will winter kill. Price, 40c. per. lb.

Clovers

1132. **Alsike Clover.** Alsike Clover grows thicker and is finer in growth than Red Clover, making better hay and probably more and better grazing. It is well adapted for sowing with Red Clover, Timothy, Herd's Grass, as it matures with these grasses, but flowering a little later than Red Clover. Price: "Monumental" Brand seed, bu. of 60 lbs. $21.00. Write for latest prices.

1129. **Crimson Clover Seed.** New Crop. The Great Nitrogen Gatherer. The best crop for hay, soiling and green manuring. Fall, Winter and Spring pasturing. Crimson Clover furnishes an abundance of nutritive forage at seasons when pastures are dead. It is an unfailing supply of manure. May be planted in the Spring, Summer or Fall. Splendid for reseeding Red Clover that has been Winter killed. Sow 15 lbs. to the acre. Price, "Monumental" Brand, Lb. 30c. Bu. of 60 lbs. $15.00. Write for latest market prices.

1113. **Japan Clover.** We do not recommend this Clover for land that can be successfully grown in any grasses or clover, but on waste land or poor, worn-out soils it will furnish excellent nutritious pasturage. Sow at the rate of 10 lbs. per acre in

Clovers—Continued

March or April. Lb. 20c. 10 Lbs. or over at 15c lb. Write us for latest market prices.

1130. **Medium Red Clover.** This is regarded as the most valuable of the Clover family and is largely used for pasturage and hay. Clover adds greatly to the fertility of the land on which it is grown. It does not exhaust the soil, but enriches it. It makes two crops each year. The first is usually cut when it is in blossom for hay. The last crop may be harvested for seed, cut for hay or plowed under to add fertility to the soil. When sown by itself, sow 10 to 12 lbs. to the acre, either in the Spring or Fall, or at the last working of corn. Price, lb. 42c. Bu. of 60 lbs. $24.00. Write for latest prices.

1131. **Mammoth or Sapling Clover.** Is similar to Red Clover, the difference being larger growth and later maturing. It is a good variety for thin soils or to seed with Timothy, Meadow Fescue, Herd's Grass or Red Top, as it matures about the same time as these grasses. Sow 10 to 12 lbs. to the acre when sown alone. When sown with Timothy use 6 lbs. Sapling Clover and 8 lbs. Timothy to the acre. Price, lb. 45c. Bu. of 60 lbs. $27.00. Please write for latest prices.

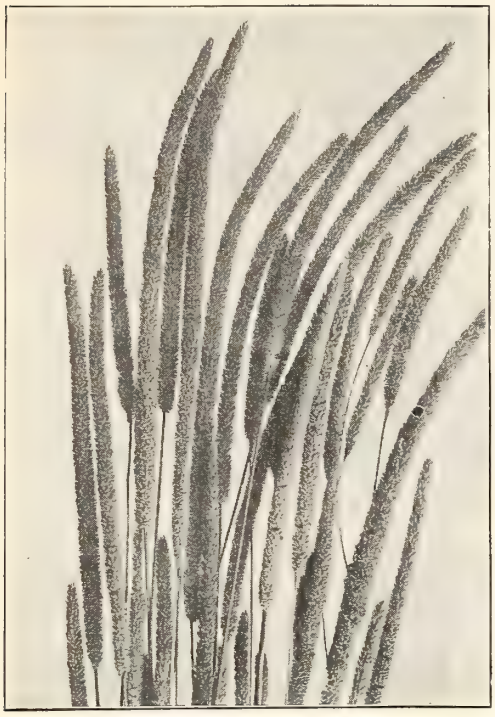
1133. **White Clover.** It makes a small, close, compact growth, covering the ground like a carpet. Sow in Fall, at the rate of 5 to 6 lbs. per acre. Price, "Monumental" Brand Fancy, ¼ Lb. 20c. ½ Lb. 35c. Lb. 60c. 10 Lbs. or over at 55c. Lb.

1205. **White Blossom Sweet Clover or Bokhora.** (Hulled.) Melilotus Alba. A strong growing perennial of value for green manuring, or will make a very heavy crop of hay. Price, lb. 20c. Bu. of 60 lbs. $9.00.

1228. **Yellow Blossom Sweet Clover.** (Melilotus Indica.) A strong growing annual, valuable for inoculating soil with bacteria previous to growing Alfalfa, also good for hay and pasture as well as a splendid producer of honey. Lb. 25c. Bu. of 60 lbs. $10.80. Prices fluctuate.

Has won for itself first place among all kinds of Hand Seed Sowers. Most convenient to operate and most economical machine for sowing Clover, Timothy, Alfalfa, and all other farm seeds broadcast. It runs easily and will distribute any desired quantity of seed per acre.

The "Cyclone" Seed Sower is constructed on correct up-to-date principles. Price **$2.25** each. Postage extra. Weight 5 lbs.



Monumental Brand Timothy

Grasses

1117. **Timothy.** Clovers grow well with Timothy and aid it by supplying nitrogen. Timothy alone a peck (11 lbs.) to the acre or with clover 10 lbs. Timothy and 6 lbs. Clover. A splendid mixture is 8 lbs. Timothy, 6 lbs. Clover (either Mammoth Clover, or Alsike Clover preferred, as they mature at the same time as Timothy), 6 lbs. Fancy Red Top, ½ bu. Meadow Fescue. Together these will produce most excellent hay, also nutritious and abundant pasture in good loamy clay or low ground soils; 8 lbs. Timothy and 6 lbs. clover when sown together. Prices: "Monumental" Brand, 15c. Lb. Pk. $1.00. Bu. of 45 lbs. $3.50. Market fluctuates.

Timothy and Alsike Clover Mixed

For hay, the Alsike and Timothy Mixture is very valuable on soils too moist for Red Clover. Alsike is suitable for either hay or pasture. It is finer and more leafy than Medium Red Clover and cattle prefer it. "Monumental" Brand, 18c. Lb. 50 Lbs. or over at 13c. Lb.

Kentucky Blue Grass

1118. This grass is not only the best for lawn purposes, but makes the sweetest and most nutritious pasture for all kinds of stock. Kentucky has long been famous for its high bred horses and its Blue Grass pastures. It is now possible to establish on most any farm a Blue Grass pasture of greenest verdure which will give very profitable returns. This Grass is the first to start up in the Spring and remains green until snow flies in the Fall. It will do well on almost any land, but does best on well drained clay land. Sow in the Fall or Spring at the rate of two or three bushels per acre. Price: "Monumental" Brand Seed, Lb. 40c. Pk. $1.25. Bu. of 14 lbs. $4.25.

Red Top or Herd's Grass

1111. This Grass makes excellent pasturage and good crop of fine quality hay, and succeeds on a greater variety of soils than any other in general use, giving very good results on light soils. The place for Red Top is on rather moist soil, deficient in lime and fertility. It will grow where the soil is too poor for Timothy and Kentucky Blue Grass. It is a good variety to sow with Timothy and Clover for meadow or pasture and is more permanent than either of the other two. It can be sown either in the Spring or Fall. Price: "Monumental" Brand Fancy Seed, Lb. 30c. 10 Lbs. or over at 25c. lb. Prices fluctuate; latest prices quoted upon application.

1122. **Meadow Fescue, Randall or English Blue Grass.** It makes a most excellent hay and pasturage Grass and is particularly valuable for Fall and Winter pasturage, as it remains green throughout the Winter. It is also a splendid Spring and Summer Grass and usually makes more and thicker leafage than any other Grass. Grows 2 to 3 feet high, but not in tufts like Orchard Grass. The hay is very nutritious and cattle thrive on it whether dry or green. Succeeds even in poor soil, and as the roots penetrate deep, from 12 to 15 inches, it takes extremely dry weather to affect it. It succeeds well in nearly all sections of the South. Sow either in the Spring or Fall at the rate of 2 bushels to the acre. 24 lbs. to bu. Price Lb. 30c. Pk. $1.50. Bu. of 24 lbs. $5.50.

1251. **Bermuda Grass.** Specially adapted to Lawns and Pasture Mixtures in the South where many other grasses will not grow. When used in connection with English Rye Grass will insure a green sod throughout the year. The Rye Grass to be sown in the Fall when the Bermuda Grass turns brown. Bermuda Grass is very well adapted to light soil and in some sections of the South is the only pasture grass that will make a good sod on this class of soil. It also does very well on clay and loamy soil. Bermuda Grass is very largely used for sowing on hillsides and embankments for binding and holding the soil. Lb. 40c. 10 Lbs. and over at 30c. lb.

Carpet Grass

One of the leading grasses of the South for Lawns, Golf Links and especially valuable for Pastures as it affords grazing all winter, especially in Florida. It grows very well in shade and will thrive better than most grasses on poor sandy soils. Seed from 8 to 12 lbs. per acre in either fall or spring. Price, lb. 40c., 100 lbs. $35.00.

Sudan Grass

It is a tall annual grass reaching a height of 7 to 9 feet when planted in rows and allowed to mature for seed crop; broadcasted and cut in the bloom for hay, about 4 feet. The results have been so satisfactory that it is now established one of our permanent forage crops. Three tons of cured hay per acre has been secured, and three cuttings made. It is a great drought resister and is particularly adapted to semi-arid regions. It is an annual and must be seeded each Spring. A good Silage Crop when sown with Cow Peas or Soja Beans. Seed 40 lbs. to the acre. Price Lb. 15c. 100 Lbs. $8.00. Write for latest prices.

Tall Meadow Oat Grass

1123. Yielding twice as much hay as Timothy or Orchard Grass, early as Orchard Grass with more leaf and affording better grazing, it is not strange that this grass is becoming so popular. It will keep green all Winter and all Summer; the drought of Midsummers or the cold of Winter does not injure it. It starts growing very early in the Spring, can be cut twice for hay. Price: "Monumental" Brand Fancy, Lb. 20c. Bu. of 11 lbs. $2.00. Write for latest prices.

Orchard Grass

1114. **Orchard Grass.** It succeeds in shady places better than other grasses, especially in orchards. It starts early in the Spring and continues well into Winter. It is of quick growth, and is relished by stock, especially when young and bears close grazing. It makes excellent hay, and gives the very best results mixed and grown with Tall Meadow Oat Grass and Red Clover. It should be cut when in blossom, as the hay is injured if the seed is allowed to ripen. It can be sown in the Spring or Fall, either with grain or alone. Sow two bushels per acre if sown alone, or with Red Clover, one and one-half bushels of Orchard Grass and eight pounds of Clover are the quantities usually sown. Price: "Monumental" Fancy, Lb. 25c. Bu. of 14 lbs. $2.75.

1124. **Red or Creeping Fescue.** A creeping rooted variety forming a close and durable turf and particularly suited for dry, sandy soil. Resists drought and thrives on very poor soils, gravelly banks and exposed hillsides. Valuable for shady lawns and for golf courses. Sow 30 lbs. to the acre if used alone. Price: "Monumental" Brand, Lb. 45c. Bu. of 14 lbs. $5.50.

Grass and Clover Seed Mixtures for Golf Courses, Hay and Pastures

These Mixtures give the very best and most satisfactory results to customers, and our trade in them is increasing rapidly. The advantage of sowing grasses and clover seed in mixtures has long been recognized and the practice is increasing to a very remarkable extent. We will take pleasure in advising our customers as to suitable grasses for their soils and purposes.

We have in the following mixtures combined grasses suitable for the various soils and uses for which they are recommended. Those for permanent pastures are composed of grasses which succeed each other in growth, and give a succession from the first of Spring until late in Winter, while for those desired more for cutting for hay have combined grasses which ripen together. **In all our mixtures we are introducing small quantities of Alfalfa Clover** with the idea of inoculating the land with Alfalfa bacillus. Alfalfa revolutionizes farming, but the bacillus must be established before the revolution can occur. The different mixtures are prepared both as to quantity and varieties as best adapted to the soils and situations for which they are recommended. In all of our grass mixtures we use the very best seeds.

Special Golf Mixtures

For Putting Greens

What is needed here is a close, low-growing grass that will stand a lot of tramping and will make a springy, tough turf. After thoroughly experimenting and scientifically testing, we have formulated a mixture that will give the desired results of an ideal Putting green. This mixture will grow in most any soil. Lb. $.70. 100 Lbs. $60.00.

Mixture for Golf Tees

Here is where the most endurable sod is needed on the entire golf course, this mixture will produce a sod that will withstand the rough usage, and continue to grow, through the most strenuous season. Lb. $.50. 100 Lbs. $40.00.

For Fair Greens

Over the course, where a very close growing sod is not necessary, but where a beautiful, velvety, green grass is wanted, we especially recommend our special mixture for Fair greens. By using this mixture in connection with our special mixture for Putting greens you are assured an even, velvety, green golf course equal to the best of lawns. This mixture will thrive well even on poor soil. Lb. $.50. 100 Lbs. $40.00.

Pasture Mixtures

The Mixtures Listed Below will Produce Excellent Results, for Both Permanent Pasture, and Mowing for Hay.

25 Lbs. or Over at 100 Lb. Rates

Mixture No. 1. For Light, Dry, Gravelly or Sandy Soils. Sow 30 to 35 lbs. to the acre. Lb. 25c. 10 Lbs. at 20c lb. 100 Lbs. at 18c per lb.

Mixture No. 2. For Heavy Loam or Clay Soil. Sow 30 to 35 lbs. to the acre. Lb. 25c. 10 Lbs. at 20c. 100 Lbs. at 18c per lb.

Mixture No 3. For Moist Bottom Land. Sow 25 to 30 lbs. to the acre. Lb. 25c. 10 Lbs. at 23c lb. 100 Lbs. at 20c per lb.

Mixture No. 4. Shady Nook Meadow Mixture. Like our Shady Nook Lawn Grass, this mixture is specially prepared for good loamy soil in partially shady situations. A fine permanent pasture mixture, yields large crops of hay. Sow 30 to 35 lbs. to the acre. Lb. 25c. 10 Lbs. at 23c lb. 100 Lbs. at 20c per lb.

Grasses

1121 English or Perennial Rye Grass

Produces an abundance of foliage, which remains bright and green during the season. The hay is relished by all kinds of stock. It will grow well on almost any land. When sown by itself sow 30 lbs. per acre either in the Spring or Fall. Price: Lb. 25c. 100 Lbs. $17.00.

1249 Pacey's Short Seeded Perennial Rye

Specially suited for fine lawn mixture, extensively used on the beautiful lawns in England. It makes a quick leafy growth of fine texture. 25c Lb. 100 Lbs. $20.00.

1172 Italian Rye Grass

It is less wiry than Perennial Rye Grass and is particularly well adapted to the soils and climate of Florida, where it is sown very extensively in the Fall and Winter for lawn purposes. About 24 lbs. of seed to the acre. Price: "Monumental" Brand, 20c Lb. 100 Lbs. $13.00.

1188. **Crested Dogstail.** Roots deeply and withstands dry weather. Does well in the shade. Lb. 60c. 100 lbs. $50.00.

1238. **Rough Stalk Meadow Grass.** One of the best bottom grasses in a meadow. Sow 30 lbs. per acre. Lb. 50c.

1187. **Hard Fescue.** A valuable grass for dry lands and sandy soils. Sow 30 lbs. to the acre. Lb. 40c. Bu. of 12 lbs. $4.75.

1234. **Fine Leaved Fescue.** A short, small turf forming grass for wooded places and for lawn purposes. Lb. 50c.

1186. **Sheep Fescue.** An excellent grass for poor, sandy soils. Resists drought remarkably well. Sow 40 lbs. per acre. Lb. 40c. Bu. of 12 lbs. $4.75.

1189. **Creeping Bent Grass.** Distinctive on account of its compact, creeping, rooting stems. Fine for lawns and putting greens because of its fine texture. If sown alone use 50 lbs. to the acre. Price: "Monumental" Brand, Lb. 80c.

1252. **Sweet Vernal.** Excellent for mixture in lawns for its sweet perfume. Price: Lb. 65c.

Note.—Freight, Express or Postage, Extra on All Field Seeds.

Seed Oats

PLEASE WRITE US FOR LOWEST PRICES

1156. **Burt or 90-Day Oats.** On account of its earliness to mature, it escapes the dry hot weather we frequently experience in June, and is on this account one of the surest cropping varieties of the South. Color and appearance of grain somewhat resemble the Rust-Proof Oat. Bu. $1.35.

Fulghum Oats. Practically two to three weeks earlier than all of our rust-proof oats. It is absolutely beardless; drills easily and is a safe horse feed. The best and most remarkable of the Southern oat crops. One of the best spring oats known today. Price, bus. $1.25; 5 to 10 bus. $1.15; 25 bus. or more, $1.10 per bushel.

1161. **Virginia Gray Winter or Turf Oats.** When sown early, before the middle of March, these oats will far outyield the ordinary Spring Oats, making a larger crop and heavier grain. Bu. $1.35.

1157. **White Spring Oats.** This is the variety most generally sown throughout the North and West, and is also so largely grown in this section, although the newest varieties offered by us are decidedly preferable, both as to yield and reliability of cropping. Bu. $1.00.

1272. **Appler Oats.** The Appler Oat is equally adapted for sowing both in the Spring and in the Fall, but when sown in the Spring should be sown before the middle of March. It is a strong, quick-growing oat, bunchy head and heavy grain. One of the best and most reliable Rust-Proof Oats for the South. Bu. $1.25. 10 bu. or more $1.15.

1274. **Montana or Swedish Oat.** These oats originally imported from Sweden are very large, white, plump and heavy grained and yield enormous crops. The straw is coarse and is noted for its stiffness and power to withstand lodging and is a great drought resister. Bu. $1.25.

Burt or 90-Day Oats

1149 Hairy Vetch (Vicia villosa)

When sown in August or September it covers the ground before frost and prevents leaching of the soil during the Winter and Spring. When sown in April or May it can be cut in July, the second growth affording excellent pasture during the Summer. Seed 30 to 40 lbs. per acre alone, with Rye or oats 30 lbs. to ½ bu. per acre. Price Lb. 25c. 10 Lbs. 18c. 100 Lbs. $16.50. Write for latest prices.

1150 Spring Vetches or Tares

Used for the same purpose as Hairy Vetch, but must be planted in the Spring whenever the Winters are severe, as this variety is not so hardy as Hairy Vetch. "Monumental" Brand, Lb. 15c. 10 Lbs. at 12c. 50 Lbs. at 10c. 100 Lbs. at 8c. Write us for latest market prices

1275. **Oregon Vetch.** Same as Spring Vetch, but owing to its hardiness is known as Oregon or Winter Vetch. It can be planted in the Fall in all of the Southern States as well as in the Spring. "Monumental" Brand, Lb. 15c. 10 Lbs. $1.25. 50 Lbs. $6.25. 100 Lbs. $12.00. Write for latest market prices.

1127. **Dwarf Essex Rape.** It is a pasture plant pre-eminently fitted to furnish pasture for sheep, cattle and swine. Under favorable conditions Rape is ready for pasturing sheep or cattle within 6 weeks from the time of sowing, and on an average one acre will carry from 12 to 15 sheep six weeks to two months. As it thrives best in cool weather, it should not be sown in the Southern States until September or October for Winter pasture. Sow 5 lbs. per acre broadcast. 2 to 3 lbs. per acre in drills. 15c. Lb. 10 Lbs. $1.10. 100 Lbs. $8.50.

Sorghum or Cane

1146. **Early Amber Sorghum.** Furnishes a large yield of most nutritious forage, which can be fed either green or cured, and will yield 2 or 3 cuttings a year, stooling out thicker each time it is cut. It grows 10 to 12 feet high. Sow broadcast for forage at the rate of 1 to 1¾ bushels per acre. When sown in drills, sow at the rate of 1 peck per acre in drills 3½ to 4 feet apart. Lb. 10c. Bu. of 50 Lbs. $2.60.

1158. **Early Orange Sorghum.** This variety is rapidly growing in favor wherever it is grown. Similar in growth to Early Amber, but it is claimed that it produces a heavier crop. Please write for lowest prices. Lb. 10c. Bu. of 50 Lbs. $2.80.

Sugar Drip. A new, separate and distinct Sorghum. One of the best varieties for making syrup. Grows 12 to 15 feet high. Many growers think it makes the sweetest and finest flavored of all Sorghum syrups. Seed often sold at fancy prices. On account of its especial sweetness, cattle are extremely fond of it. Lb. 20c. Bu. of 50 Lbs. $4.50.

326. **Long White Cow-Horn Turnips.** They can be fed to the stock as they are needed and the rest allowed to remain in the ground and rot, having a valuable fertilizing property. They grow nearly half out of the ground and are carrot-like in form. Sow two pounds of seed to the acre, broadcast. Oz. 10c. ¼ Lb. 20c. Lb. 60c. 5 Lbs. at 55c.

1160. **Japanese Buckwheat.** For a late Summer crop Buckwheat is very desirable and profitable, especially in mountainous sections. It is easily grown, makes splendid flower food for bees and of a large yield of grain. As much as 40 bushels to the acre have been harvested, making it very profitable to raise. Sow 1 bushel per acre. Pk. 65c. Bu. $2.50. Please write us for latest prices.

1135. **Spring Rye.** Distinct from the Winter Rye, grain of finer quality and more productive; can be successfully grown in any latitude, and is now being largely grown in the Middle States in place of oats, being a much more profitable crop on account of the production of nearly four times the straw, and also as a "catch" crop where Winter grain has failed. Produces 30 to 40 bushels of grain per acre. As it does not stool like Winter Rye, not less than two bushels to the acre should be sown. Bu. $2.50.

Abruzzi Rye. Earlier than other ryes. Stools heavier, makes double the seed and forage as made by other ryes. U. S. Agr. Dept. Bul. 336 says quality grain better and tallest rye yet tested. In big demand for grazing and for Fall and Winter cover crop in cotton middles. Sow September and October one bushel or more; for seed sow November 15th. Never Winter-killed. Often grows 6 feet with 6-inch head. Makes about 20 bushels per acre. Suffers less in Spring droughts. Bu. $2.50.

1209. **Beardless Spring Barley.** This crop has been sown with satisfactory results for two or three seasons past in this section and further South. It makes a quick growing crop of most excellent and nutritious green feed and is growing in popularity wherever it is used, and will also make a good grain crop, although its principal value is as an early nutritious forage crop, either to feed green or cure as hay. Sow 1½ to 2 bushels per acre. Per bu. $2.10. Please write us for market prices.

Bearded Spring Barley. This variety is most generally used, and especially as green food or hay crop, but where this crop is grown for the grain the beardless variety is mostly wanted. Price, Bu. $2.00.

Mammoth Russian Sunflower

Sow in March to July, 5 to 10 lbs. per acre. Plant with Corn drills in rows 3 to 3½ feet apart and thin to 1 plant every 18 to 22 inches, cover very lightly, not over 2 inches. 5 Lbs. 75c. 10 Lbs. $1.25. 100 Lbs. $10.00.

Prices on all field seeds are F. O. B. Baltimore subject to market changes, sacks extra at cost, except where otherwise stated, owing to unsettled market we could not make prices on many seeds when this catalogue went to press.

PLEASE WRITE FOR LATEST PRICES ON ALL FIELD SEEDS. IT WILL PAY YOU

Cow Peas

PLEASE WRITE FOR LATEST PRICES

1175. **Mixed Cow Peas.** We strongly recommend sowing Mixed Cow Peas as a soil improving crop. The upright growing varieties holding up the vining varieties; they will make a much better growth and give more satisfactory results.

1159. **New Era.** This new extra early Cow Pea is unquestionably one of the most valuable varieties in cultivation. It is quicker in growth than any other Cow Pea in cultivation; makes a very large growth of vine and very prolific yield of peas.

1162. **Black Cow Peas.** Seed medium sized and black. Vines trailing. Seed matures early.

1241. **Gray Crowders or Shinney.** Vine trailing, seed large and mottled gray and blue. Matures medium late.

1305. **Brabham Peas.** This is a cross between the Whip-Poor-Will and Iron varieties. It is especially valuable in that it partakes of the good characters of both parents.

1168. **Black Eye.** Vines erect. Seeds medium sized and white, matures medium late.

1164. **Whip-Poor-Will.** Vines erect. Seed large, mottled red and white, matures early. Good to grow between corn.

1163. **Clay Peas.** Seeds medium sized and cream colored. Vines grow tall and erect. Seed matures medium late.

1165 Canada Field Peas

The vines make rich, nutritious hay. If fed to milch cow, when in a green state, pods, vines and all, the flow of milk will be almost doubled.

Sown in January, February or early March. Pk. $1.25. Bu. $4.50. Write for latest prices.

New Era Cow Peas—43 Days After Planting

Soja Beans

PLEASE WRITE US FOR LOWEST PRICES

1242. **Mammoth Yellow.** The largest growing and most popular Soja Bean for forage purposes, although a little later in maturing than other varieties.

1246. **Wilson Black.** Very small seed, matures in about 90 days, can be grown in the Northern States where an early variety is desired.

O-Too-Tan. O-Too-Tan grows entirely different from other Soy Beans; the main stem is erect, 3 to 4 feet high, and from it running branches extend as far as 7 or 8 feet. It is not, however, a climber like the Velvet Bean.

1306. **Virginia.** About 20 days earlier than the Mammoth Yellow. The vines make a fine growth, are filled with pods, stand about 3 feet high, are easy to cut and easy to cure.

Biloxi. This is two or three weeks later than Mammoth Yellow and requires a longer growing season. In Tennessee it grew 5 ft. 7 in. without support and made three tons of hay per acre.

Laredo Soy Beans. The Laredo differs from any other variety. As the plants get up a few inches high they stool out like oats and each individual plant sends up from six to fifteen very fine branches making it one of the very best of hay beans.

Millets

A Splendid Quick Growing Summer Hay Crop

1125. **German or Golden Millet, Southern Grown.** Plant from middle of May until the end of June at the rate of 1 bushel per acre. Cow Peas sown with German Millet makes fine hay, and should be sown at the rate of three pecks of Millet and one bushel of Cow Peas to the acre. "Monumental" Brand Fancy Southern Millet, Pk. $.75. Bu. of 50 lbs. $2.50.

1207. **Japanese Millet (Billion Dollar Grass).** Grows from 6 to 9 feet high and yields enormous crops. It is relished by all kinds of stock. 15 lbs. to acre broadcast, 10 to 12 lbs. in drills 12 inches apart. It does best on low moist ground. Lb. 15c. 100 Lbs. at 12c. a Lb.

1126. **Hungarian Millet.** Hay is quite leafy, of very fine quality. Should be sown at any time between the middle of May until the end of June at the rate of one bushel per acre. Lb. 10c. 100 Lbs. at $7.50.

1170. **Pearl or Cattail Millet.** It is largely used by dairymen. It furnishes them green food throughout the Summer. 3 or 4 cuttings a season can be obtained. It can be fed either green or cured as dried forage, making a most nutritious feed which is relished by all kinds of stock. Sow 5 lbs. per acre in drills 3 feet apart or broadcast at the rate of 20 to 30 lbs. per acre. Lb. 15c. 100 Lbs. 12c. Lb.

FARMOGERM

The Best Inoculation for All Legume Seeds

We believe in inoculation, we favor the pure jelly medium, and we believe in FARMOGERM. We recommend that all legume seeds purchased from us be inoculated before planting.

A different culture is required for each legume group, so, when ordering, be sure to state what crops you wish to inoculate.

NEW LOW PRICES

For small seeds—Clovers, Alfalfa, etc.

¼-bus. size .....$0.35 1 -bus. size $1.00
½-bus. size ..... .60 2½-bus. size 2.25
10-bus. size $8.00

Special Reduced Prices on Cultures for Large-Size Seeds, Soy Beans, Cowpeas, Peas, Beans, etc.

½-bus. size .....$0.35 1-bus. size $0.60
5-bus. size $2.25

Special Garden Size for Garden Peas, Beans, and Sweet Peas, 25 cts.

Mulford Cultures FOR LEGUMES

Increase Your Crops — Improve Your Soil

Legume Crops, properly inoculated with nitrogen-fixing bacteria, add both humus and nitrogen to the soil and should be included in every crop-rotation program.

Mulford Culture Concentrates are economical. Easy to use. The sealed bottle insures purity.

Always specify on your order what crop you want to inoculate

FOR SMALL SEEDS Alfalfa, Clovers, etc.		FOR LARGE SEEDS Cow Peas, Soja Beans, etc.	
10 bushel size	$8.00	20 bushel size	$8.00
2½ bushel size	2.25	5 bushel size	2.25
1 bushel size	1.00	2 bushel size	1.00
½ bushel size	.60	1 bushel size	.60

Garden size (composite culture for Garden Beans, Garden Peas, Lima Beans and Sweet Peas) ..... .35

Seed Corn

Large can Crow Repellent enough for 2 bu. of seed corn, 8 to 10 acres. $1.50. Half size can $1.00. F. O. B. Baltimore. Postage extra.

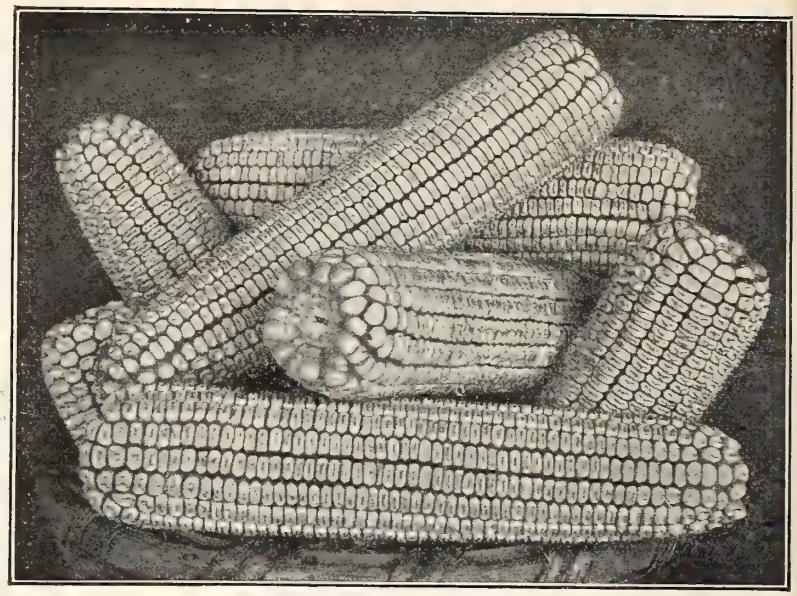
Bolgiano's Prosperity Yellow Dent Corn is the most attractive, largest, greater yielding corn ever introduced.

When we introduced this corn years ago, it was the best yellow corn we had ever seen, and today it is far better, than when we introduced it, as we have improved it year by year by very careful selection and breeding, by these painstaking efforts adding three more rows to the cob and increasing the depth of the grain, besides adding to its beautiful deep golden color.

The grains are large and deep. It is a luxuriant grower, the fodder attaining a height of about 12 feet.

When grown in the vicinity of Baltimore it is ready to cut in from 110 to 120 days from time of planting.

If you want to grow the biggest and best crop of corn, you have ever raised, use Bolgiano's Prosperity. Postpaid, Qt. 45c. Not prepaid, Pk. (14 lbs.), $1.25. Bus. (56 lbs.), $4.00.



Bolgiano's Prosperity Yellow Dent Corn

1143. **Improved Leaming Corn.** Its extreme earliness and fine quality has made it very popular with the farmers, and especially with those in the localities where the seasons are short. The ears and grains are of medium size. Postpaid, Qt. 40c. Not prepaid, Pk. (14 lbs.), $1.00. Bus. (56 lbs.), $3.50.

1140. **Reid's Yellow Dent.** This is a splendid Yellow Dent variety with 18 to 20 rows of kernels on an ear. The cob is small and red and the grains are very close together. The ears average 8 to 10 inches long. The stalk is very heavy and is not easily blown down. It matures in 100 days and is a heavy yielder in the Middle and Southern States. Postpaid, Qt. 40c. Not prepaid Pk. (14 lbs.), $1.00. Bus. (56 lbs.). $3.50.

Lancaster Sure Crop is a good variety for sections having short growing season. Matures early (in about 100 days), the ears are very long, and the rich light yellow grains are of medium width and length. This variety averages 12 feet in height. The stalks are well supplied with broad leaves, making it a very valuable silage Corn, while as a cribbing Corn it is very desirable and is highly recommended by county agents. Postpaid, Qt. 40c. Not prepaid, Pk. (14 lbs.), $1.00. Bus. $3.75. 5 Bus. $18.00.

Corn seed is quickly and easily disinfected against corn root rots by dusting with Semesan Jr. at the rate of 3 ounces to the bushel of seed. Effectively protects seed in soil from rots, increases germination, stand and yield. Full details in Semesan Jr. Corn Pamphlet sent free to all customers. See prices, page 68.

Reid's Yellow Dent Corn

White Varieties of Seed Corn

1145. **"Hickory King" White Corn.** Large grains, small cob. Of a strong growth, the stalks take a firm hold in the ground and stand upright, resisting severe storms. It yields splendid crops on light soil, and is undoubtedly the best and most productive White Field Corn for the South. Postpaid, Qt. 40c. Not prepaid, Pk. (14 lbs.), $1.00. Bus. (56 lbs.), $3.50.

1054. **Red Cob 90-Day Corn.** This corn meets a long felt want, because it can be used as a roasting ear corn and when fully matured makes it first-class for feeding stock. The ear is large, handsome, suits for an early crop or for a late crop, because it matures in 90 days. This makes it always a safe and profitable crop. Postpaid, Qt. 40c. Not prepaid, Pk. (14 lbs.), $1.00. Bus. (56 lbs.), $3.50.

1299. **Eureka Ensilage Corn.** The very best Silo Corn on the market. The selection of our seed, which will give a large amount of fodder, 3 or 4 long, slender ears of corn to the stalk. Grows to a height of 15 feet. Can be sown in hills or planted in checked rows. It is a very rapid grower and can be grown throughout the United States with wonderful success. Postpaid, Qt. 40c. Not prepaid, Pk. (14 lbs.), $1.00. Bus. (56 lbs.), $3.50.

1257. **Boone County White.** Ears well filled out at both ends, cylindrical, 9 to 11 inches long, averaging 20 rows, some 18 and 22. Grain very deep, a little rough. Cobs white, of medium size. Postpaid, Qt. 40c. Not prepaid, Pk. (14 lbs.), $1.00. Bus. $3.50.

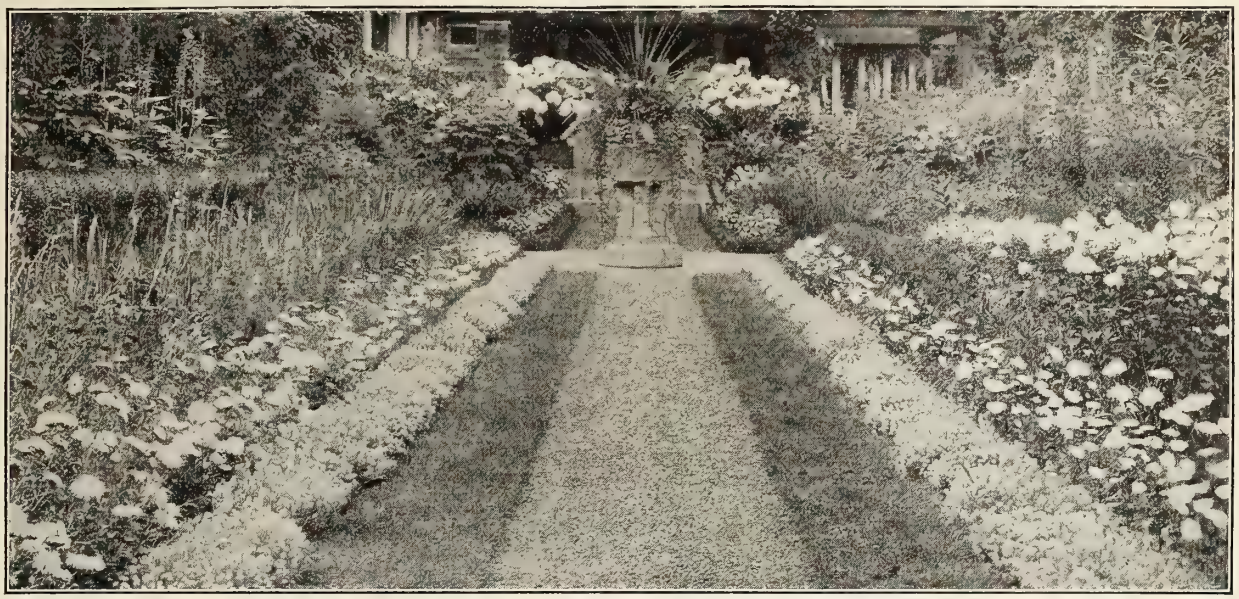
1148. **Bolgiano's Cuban Giant Ensilage Corn.** We have thoroughly tested the Cuban Giant beside all large white grain ensilage varieties. Grains are pure white, very large, broad and long. Of stronger vitality than any other variety. It is the best milk producer of all ensilage Corns, being as sweet as Sugar Corn. Out yields the Red Cob Ensilage and is 10 to 12 days earlier. Postpaid, Qt. 40c. Not prepaid, Pk. (14 lbs.), $1.00. Bus. (56 lbs.), $3.50.

White Rice Pop Corn. Most popular variety. Very prolific. Excellent quality, pops pure white. Postpaid, Qt., 40c. 5 Lbs., $1.25. Not prepaid, 10 Lbs. $1.50. 100 Lbs. $12.50.

BOLGIANO'S ANNUAL FLOWER SEEDS

Selected Strains — Superior Quality

Perennial Flower Seeds for the Hardy Garden will be found on pages 51 to 54



GENERAL CULTURAL DIRECTIONS

The seed of plants that you wish to get started early can easily be sown in-doors, in shallow boxes or seed pans, not over three inches deep. About one inch of rough material like coal ashes should be placed in the bottom, and on top of this another inch of fine sifted soil consisting of one-third each of sand, leaf mould and garden loam. After the surface has been smoothed and lightly pressed, sow the seed evenly and cover with more soil to a depth of about twice the diameter of the seed. Then press firmly and water. Cover with a pane of glass, keep in a temperature of about 65 degrees and water carefully as needed. As the seeds grow, the glass can be removed and the plants transplanted into small pots from which they are afterwards planted in the open ground. When sowing seed out-doors, the ground should be thoroughly spaded and raked until the top is as smooth and fine as possible. The seeds should be covered three or four times their diameter in order to prevent rains from washing them out. Do not sow until all danger of frost is over.

40. Acroclinium (Everlasting)

A pretty annual everlasting, growing about 15 inches high, bearing lovely white or rosy-pink flowers, which when cut in the bud, can be dried and used in winter bouquets. Very attractive when grown in a mixed border, aside from its use as an everlasting. Double mixed. Pkt. 10c.

Ageratum

A lovely rapid growing plant that blooms constantly. It is most lavish with its bright, attractive flowers even when the summer is hot and dry. It is easily grown and combines charmingly with other flowers in beds or borders.

60. Imperial Dwarf White. Small and compact growing about 8 inches high. Pkt. 10c. ¼ Oz. 40c. Oz. $1.25.

61. Imperial Dwarf Blue. Pkt. 10c. ¼ Oz. 40c. Oz. $1.25.

62. Blue Perfection. Large heads of the darkest blue ageratum. Blooms in great abundance. Pkt. 10c. ¼ Oz. 40c. Oz. $1.25.

Blue Perfection—Ageratum

Alyssum

Dainty, fragrant little plants that bloom in great profusion all summer, also in-door during the winter. Charming for edging, borders, rockwork, vases and baskets.

90. Little Gem. A beautiful white variety. Plants grow about 6 inches high and produce hundreds of flowers in a mass 15 to 18 inches in diameter. Pkt. 10c. Oz. 70c.

91. Maritimum Sweet. The popular, old-fashioned, trailing variety. Flowers pure white. Pkt. 10c. Oz. 40c.

Alyssum—Little Gem

111. Amaranthus Tricolor (Joseph's Coat)

Showy foliage of green, red and yellow. Height 3 ft. Pkt. 10c. Oz. 50c.

190. Arctotis Grandis (African Daisy)

A bush 2 to 2½ ft. high. Its flowers are like a large white daisy with the under side of the petals lilac and the foliage white and downy. They are fine for cutting because of the long stems and long keeping qualities. Pkt. 10c. ¼ Oz. 50c.

ASTERS
Selected and Improved Strains

Aster—California Giant—Double

King (Needled Type)

These are mostly of upright habit (18 inches to 2 ft. high). Flowers, large and double, petals quilled, making them distinct from all others and a very desirable class.

	Pkt.	¼ Oz.
351. Crimson	10c.	$1.00
353. Lavender	10c.	1.00
355. Rose, brilliant rose	10c.	1.00
356. Shell Pink	10c.	1.00
357. Violet	10c.	1.00
358. White	10c.	1.00
359. Collection of a packet each of the above 6 varieties, 50c.		
360. Mixed colors	10c.	1.00

American Beauty

Plants about 2 to 3 feet high, of branching habit, commencing to bloom in early September and lasting until destroyed by frost. Flowers large borne on long and stout stems, from 18 to 24 inches. This applies to all of the Beauty Class, making them most desirable for cut flowers.

Crimson	**Flesh Pink**	**White**
Deep Rose	**Lavender**	**Finest Mixed**
	Purple	

Any of the above colors, Pkt. 15c. ¼ Oz. $1.00.

Queen of the Market

The very best early flowering aster, coming into blossom during July. The large, graceful flowers are borne on long stems, making them especially valuable for cutting.

200. White	**201. Flesh Pink**	**202. Crimson**
203. Dark Blue	**205. Lavender**	**206. Rose**
	208. Mixed	

Any of the above colors, Pkt. 10c. ¼ Oz. 50c.

207. Collection of a packet each of the above 6 colors 50c.

There are few flowers that make a better show in the fall than the Aster. It is the most popular annual flower grown, and justly so on account of its ease of culture, season of bloom, and lasting qualities, both in the garden and as a cut-flower. To be able to cut Asters abundantly and over the longest possible period, you should make several sowings of the early, mid-season, and late-flowering types. Sow the seed in shallow boxes in the house or in the hotbed in March; transplant the seedlings 2 inches apart in boxes, when they are large enough to handle; and plant to permanent beds in May. The second sowing can be made in the coldframe the latter part of April. The third sowing should be made the latter part of May. Set the plants of early varieties 10 inches apart in the row, and those of the later varieties 15 to 18 inches apart. The richer the ground the better your flowers will be, and water is very necessary. Asters are wonderfully adaptable. They make fine single specimens, a perfect border, a gorgeous display in massed colors, and a graceful effect in shrubbery.

California Double Giants

We take pleasure in recommending this type as the best Aster on the market today. Characterized by the Crego or Ostrich Feather type of flower, combined with the Beauty Aster's long, non-lateral branching stems and sturdy habit of growth, the California Double Giant type of Aster stands at the head of the list, not only for florists' use, but also for private gardens where quality is appreciated.

220. White ..... Pkt. 20c.
221. Peach Blossom ..... Pkt. 20c.
222. Light Blue ..... Pkt. 20c.
223. Light Purple ..... Pkt. 20c.
224. Deep Rose ..... Pkt. 20c.
225. Dark Purple ..... Pkt. 20c.
226. Collection of a packet each of the above 6 varieties, $1.00.
227. Mixed colors ..... Pkt. 20c.

Crego's Giant Comet

We consider this the finest and largest of all Comet Asters, bearing immense fluffy flowers, five inches and over in diameter. They bloom profusely from August until the end of September.

260. White	**262. Flesh Pink**	**263. Rose**
264. Crimson	**265. Azure Blue**	**266. Lavender**
267. Purple	**269. Mixed**	

Any of the above colors, Pkt. 10c. ¼ Oz. 65c.

American Branching
(Vicks Branching)

Plants 2½ to 3 feet high, branching and robust habit. Flowers large, double and fine form.

340. White	**341. Peerless Pink**	**342. Crimson**
343. Lavender	**344. Azure Blue**	**345. Purple**

Any of the above colors, Pkt. 10c. ¼ Oz. 50c.

346. Collection of a packet each of the above 6 varieties 50c.

347. Mixed colors. Pkt. 10c. ¼ Oz. 50c. Oz. $1.50.

Single Giants of California

We are offering this wonderful Aster for the first time this year. It was developed out of the Double Giants of California type. The flowers are large, measuring three to four inches across, with stems 18 to 24 inches in length. The petal has a slight twist, which adds a piquant touch to its beauty. The white blossoms resemble Shasta Daisies in appearance, but their greater length of stem makes them more graceful. In the garden, the Single Giants of California add a charming note of simplicity among the fuller types of Asters.

White	**Light Blue**	**Delicate Flesh**
Rose	**Purple**	**Finest Mixed**

Any of the above colors, Pkt. 20c. 6 Pkts. $1.00.

Antirrhinum (Snapdragon)

Antirrhinum (Snapdragon)

Snapdragon has long been recognized as one of the best flowers for both cutting and bedding. Every year new varieties and color combinations are being introduced. Because of their easy culture it is a flower that appeals to the amateur. The tall varieties are best planted in the background of your garden. Only ten weeks are required for the plants to commence blooming. They continue blooming until frost.

Tall Giant Flowering

About 3 feet high

136. Rose Queen, soft pink **140. White** **141. Bright Rose**
142. Garnet **143. Yellow** **144. Scarlet**

Above colors. Pkt. 10c. each. 6 Pkts. for 50c.

138. Tall Giant Flowering Mixed. Pkt. 10c. ¼ Oz. 50c. Oz. $1.50.

Semi-Dwarf, Large Flowering Sorts. 1½ to 2 ft. tall. Excellent for bedding.

Deep Rose **Scarlet** **Pure White**
Pale Pink **White** **Mauve Queen**

Above colors. Pkt. 15c. each. 6 Pkts. for 75c.

Semi-Dwarf Mixture. Pkt. 15c. ¼ Oz. 70c.

Calliopsis

Attractive, free-flowering annual; excellent for massing or cutting. The flowers are long-stemmed, graceful and of a deep yellow color, combined in some varieties with rich maroon and in others with velvety brown. Easily cultivated.

540. Golden Wave. (Drummondi.) Rich, golden-yellow flowers with brown centers. 12 inches high. Pkt. 10c.. ¼ Oz. 40c. Oz. $1.25.

Choice Mixed. Pkt. 10c. ¼ Oz. 30c. Oz. $1.00.

Candytuft (Iberis umbellata)

A profusely blooming, easily cultivated plant 12 to 15 inches high. The fragrant flowers are very desirable for borders, beds, rockeries, and for cutting. They bloom all season.

580. White **581. Rose Cardinal** **582. Crimson**
583. Lilac **584. Flesh**

Any of the above colors. Pkt. 10c. ¼ Oz. 25c. Oz. 75c.

586. Mixed colors. Pkt. 10c. Oz. 40c.

Giant Hyacinth Flowered Candytuft

587. As the name implies, this variety is truly a giant in growth. The well-branched plants reach 18 inches in height, each branch terminating in an immense white flower spike. Excellent for beds and borders and especially valuable for cutting. Pkt. 15c. ¼ Oz. 50c. Oz. $1.50.

430. Balloon Vine (Love-in-a-Puff)

A graceful, rapid-growing climber, with small white flowers and curious balloon-shaped seed vessels. This vine is of particular interest to children, as the "Puff" or inflated seed vessel contains black seed, each marked with a white heart-shaped spot. Pkt. 10c.

450. Balsam (Lady Slipper)

A dainty, old-fashioned annual, suitable for beds and borders. The flowers are vividly colored and rose-like in shape. These blooms make a charming table decoration, when cut from the stalk and placed in a low glass bowl so they can float on the surface of the water. Pkt. 10c. ¼ Oz. 30c. Oz. $1.00.

460. Balsam Apple (Momordica)

A quick-growing, ornamental climber with beautiful foliage and bright orange-colored fruit, which resembles an apple. The fruit opens when ripe, disclosing its seeds and red interior. Pkt. 10c.

Brachycome (Swan River Daisy)

Free-flowering, dwarf-growing annual, covered during the greater part of the summer with a profusion of pretty blue or white flowers, suitable for edgings, small beds or pot culture. Height, 9 inches. **Iberidifolia, Blue.** Pkt. 10c.

Calendula (Pot Marigold)

A free-flowering, dwarf annual suitable for beds, mixed borders or pot culture. These flowers exhibit every shade of yellow from ivory to the deepest orange. Desirable for cut flowers.

520. Giant Orange King. Rich, dark orange, double flowers, averaging 3 inches across. An exceptionally fine strain. Pkt. 15c. ¼ Oz. 40c. Oz. $1.25.

521. Giant Lemon Queen. Like the Orange King in beauty, size and shape but the color is a rich lemon shade instead of orange. Most attractive when combined with the Orange King. Pkt. 15c. ¼ Oz. 40c. Oz. $1.25.

522. Meteor. Large double flowers, striped orange and cream. Pkt. 10c. ¼ Oz. 25c.

523. The Ball. The best double orange variety for forcing. Pkt. 20c. ¼ Oz. 65c.

525. Double Mixed. All choice varieties. Pkt. 10c. ¼ Oz. 25c. Oz. 60c.

570. Canary Bird Vine (Tropæolum canariense)

A rapid growing climber attaining a height of 10 to 15 feet. Attractive for trellises, porch boxes or hanging baskets. It grows in the most graceful manner, producing beautiful leaves and hundreds of golden-yellow flowers which resemble canary birds with expanded wings. Pkt. 10c. Oz. 50c.

Carnation

Annual Carnations

Improved Marguerite. A very carefully selected strain which gives an abundance of beautiful fringed double flowers within six months from time of sowing. The plants are unusually robust and make a brilliant display of attractive coloring in beds and borders. For table decoration the flowers are especially useful on account of their sweet scent. Over 90 per cent come fully double. The favorite colors have been chosen and fixed, and it is now possible to ensure beds in distinct shades.

Dark Red **Scarlet** **Yellow**
Deep Rose **White** **Mixed**

Each Pkt. 15c. 6 Pkts. 50c. ¼ Oz. $1.00. Oz. $3.00.

Cardinal Climber

(Ipomoea Quamoclit hybrida)

A rapid grower, often attaining the height of 30 feet or more. The deeply laciniated, fern-like foliage and fiery cardinal-red flowers are borne in profusion from July to frost. The flowers are about 1½ inches in diameter and are borne in clusters of five to seven blooms. Seed may be sown indoors during April, or outdoors in May. Soaking seeds in warm water before planting hastens germination. Pkt. 15c. 5 Pkts. 50c.

Castor-Oil Plant

Ricinus

Garden annual of luxuriant growth with large palm-like leaves; very attractive on account of their semi-tropical effect. The colors of the foliage are very rich ranging from green to deep bronze. Desirable for lawns, massing or center plants for beds.

1660. Gibsoni. Dark red foliage. Pkt. 10c. Oz. 25c. ¼ Lb. 75c.

1661. Zanzibariensis. Immense size. Coppery-bronze, changing to dark green with reddish ribs. Pkt. 10c. Oz. 25c. ¼ Lb. 75c.

1662. Mixed Varieties. Pkt. 10c. Oz. 25c. ¼ Lb. 60c. Lb. $1.75.

Semesan is a seed disinfectant. Dusting the seed with it protects against fungus and disease. 2 Ozs. 50c. 4 Ozs. $1.00. ½ Lb. $1.60. Lb. $2.75. 5 Lbs. $13.00.

Celosia

CELOSIA PLUMOSA (Feather Cockscomb)

An attractive plant for beds and borders. The plumes or flowers, which are produced on long stems, may be cut and dried for winter bouquets.

Crimson. Yellow. Mixed. Pkt. 10c. ¼ Oz. 40c.

CELOSIA CRISTATA (Cockscomb)

A popular garden annual grown for its showy, velvety, cockscomb-like flower heads and green foliage. It makes a charming border plant.

Empress. Crimson, dark foliage.
Glasgow Prize. Crimson, green foliage.
Pkt. 15c. ¼ Oz. $1.00.
Dwarf Mixed. Pkt. 10c. ¼ Oz. 75c.

CELOSIA CHILDSI (Chinese Wool Flower)

A splendid decorative plant with large, ball-shaped flowers, resembling a ball of wool. The plant grows about 2 feet high, branches freely and keeps blooming all fall until finally killed by frost.

Crimson. Pink. Yellow Mixed. Pkt. 15c. 4 Pkts. 50c.

Centaureas

(Corn Flower or Bachelor's Button)

A graceful, old-fashioned plant, which blooms freely throughout the entire summer and usually re-seeds itself. They will grow in most any soil and are in great demand as cut flowers.

BACHELOR'S BUTTON OR RAGGED SAILOR
(Centaurea Cyanus)

This type of Centaurea is well known and no garden is complete without them. Seeds should be sown in the spring or fall. When large flowers are wanted, plants should be thinned out to a space of 8 square inches.

Double Blue. Double Pink. Double White. Pkt. 10c. each. ¼ Oz. 50c. Oz. $1.50.
Double Mixed. Pkt. 10c. ¼ Oz. 25c. Oz. 60c.
Single Blue. Single Mixed. Pkt. 10c. each. ¼ Oz. 25c. Oz. 60c.

CENTAUREA IMPERIALIS (Royal Sweet Sultan)

These charming thistle-like flowers are borne on long, strong stems and are excellent for cutting. They keep fresh for a long time and are very fragrant.

Suaveolens. Yellow Sweet Sultan. Pkt. 15c. ¼ Oz. 50c.
Pink, Purple, White, Mixed. Pkt. 10c. each. ¼ Oz. 50c.

CENTAUREA CANDIDISSIMA (Dusty Miller)

685. A little plant used exclusively for borders of flower gardens and edges of beds. Its leaves are silvery gray and form a pleasing contrast when planted with brilliantly colored flowers. Pkt. 15c. ¼ Oz. 75c.

Bachelor's Buttons

Cosmos

Chrysanthemums (Single Annual Varieties)

A free summer flowering, showy, daisy-like flower. Very attractive for bedding, borders, pot culture and for cutting. For larger and more prolific blooms sow seed early in a hotbed or cold frame and transplant to the open ground as soon as the soil has become thoroughly warmed. Average height 2 ft.

690. EVENING STAR. Rich yellow, the disc somewhat deeper yellow.

691. MORNING STAR. Petals canary-yellow, disc somewhat deeper yellow.

692. BURRIDGEANUM. Pure white petals with a zone of rich brownish red and inner zone of yellow surrounding the dark brown disc.

693. W. E. GLADSTONE. Rose and Red.

694. THE SULTAN. Wallflower red, yellow zone around brown disc.

Above colors. Pkt. 10c. each. 5 Pkts. 40c.

696. Single Mixed. Pkt. 10c. ¼ Oz. 30c. Oz. 75c.

701. WHITE PEARL. Double; pure white. Pkt. 10c.

702. GOLDEN QUEEN. Double; golden yellow. Pkt. 10c.

705. DOUBLE MIXED. Pkt. 10c. ¼ Oz. 30c. Oz. 75c.

Clarkia Elegans (Double)

For their bright and attractive colors, and for the ease with which they can be flowered in ordinary soil, Clarkias are extremely popular summer annuals. The plants bloom profusely, and when grown in masses a very striking effect is produced. In good ground each plant should be allowed a space of 8 or 10 inches.

Choice Mixed. Pkt. 10c. ¼ Oz. 25c. Oz. 75c.

CYPRESS VINE

A beautiful rapid-growing vine with star-shaped blossoms. Its foliage is of a rich green color, very graceful, delicate and fern-like. A lovely vine for ornamental purposes.

Scarlet. White. Mixed. Pkt. 10c. each. ¼ Oz. 25c.

Cosmos

One of the finest Fall plants with attractive, feathery foliage and bright daisy-like flowers. It is a vigorous growing annual and most effective when planted in broad masses or along back-ground borders against evergreens or fences. The flowers are borne in great profusion.

We recommend the sowing of Cosmos about the first of May, outdoors in rows, covering the seed about ¼ inch, and when the plants are about 3 inches high, thin out or transplant to not less than 2 feet apart. Any garden soil will grow Cosmos to perfection; frequent cultivation around the base of the plants will greatly benefit them.

Extra Early Mammoth Flowering

Plants 4 feet high, blooms from July until cut down by frost.

810. White **811. Pink**
812. Crimson **813. Mixed**

Pkt., 10c. each. ¼ Oz. 50c. Oz. $1.50.

EXTRA EARLY DOUBLE CRESTED COSMOS

The flowers are large with full double centers and an outer row of broad ray petals. The best cosmos for cut flowers, blooming from July until frost.

818. White Queen. Glistening white.

819. Pink Beauty. Beautiful, soft rose-pink.

820. Crimson King. Rich crimson.

822. Mixed colors.

Pkt. 20c. each. 3 Pkts. 50c.

LATE MAMMOTH-FLOWERING TALL COSMOS

This type of Cosmos has been greatly improved over the old tall small-flowering varieties, flowers late in the summer—usually September—coming at this season of the year, when nearly everything in the garden has finished blooming, it is a very desirable addition.

Crimson. Pink. White. Mixed.

Pkt. 10c. each. ¼ Oz. 25c. Oz. 75c.

KLONDYKE COSMOS

825. Large golden yellow flowers 2½ to 3½ inches in diameter. Pkt. 10c. 3 Pkts. 25c.

CLEOME (Giant Spider Plant)

Pungens gigantea. Rose Queen. It grows 3 to 4 feet high, branches freely and produces a large flower head at the top of each branch. The separate flowers are interesting because of their long purple, spidery stamens and showy rose-colored petals. Pkt. 10c. ¼ Oz. 40c. Oz. $1.25.

COBEA SCANDENS (Cup and Saucer Vine)

A climber of rapid growth with beautiful foliage and large bell-shaped flowers. The plant grows 20 to 30 feet in a season.

760. White Flowered. Pkt. 10c. ¼ Oz. 50c.

761. Blue Flowered. Pkt. 10c. ¼ Oz. 25c.

COLEUS

A favorite bedding and house plant useful for its beautiful vari-colored, ornamental foliage. The leaves are finely marbled and spotted and range in color from a light yellow to a very deep red. Pkt. 25c. 5 Pkts. $1.00.

Annual Chrysanthemums

Dahlia

A very popular flower in a variety of lovely colors. Dahlias can be raised from seed and will bloom the first year (a fact not generally known).

860. Double Large Flowering Mixed. Seeds from fine double sorts, various colors. Pkt. 50c.

861. Cactus Flowered Mixed. A desirable, graceful type. Pkt. 50c.

862. Peony Flowered Mixed. Mammoth, semi-double flowers. Pkt. 50c.

Dianthus or Pinks

An old favorite which blooms constantly all summer. The flowers are brilliantly colored and very fragrant. As an edging plant they are most desirable, because of their clean habit of growing.

Fireball. New. Extra double brilliant dark scarlet, very beautiful. Pkt. 10c. 6 Pkts. 50c.

Salmon King. Brilliant salmon-rose. Pkt. 15c. 6 Pkts. 75c.

Snowball. Large; double; white; or cutting. Pkt. 15c. 6 Pkts. 75c.

Violet Queen. A rich violet. Pkt. 15c. 6 Pkts. 75c.

880. Chinensis (Indian Pinks)

Double annual. All colors Mixed. Pkt. 10c. ¼ Oz. 25c. Oz. 75c.

881. Heddewegi (Japanese Pinks)

Large double flowers with brilliant colorings. They bloom from June until frost if faded flowers are kept cut. Pkt. 10c. ¼ Oz. 30c.

Didiscus Cœruleus (Blue Lace Flower)

900. The plants grow about 2 feet high and branch freely, each branch being crowned with an umbel of delicate, sky-blue flowers resembling lace. It is easy to grow and blooms profusely from July to November. Pkt. 20c. 5 Pkts. 80c.

Dianthus—Double Annual Pinks

DIMORPHOTHECA (South African Orange Daisy)

A compact-growing annual which throws up innumerable flowering stalks, bearing an elegant daisy-like flower all summer up to frost; height 12 to 15 inches.

Aurantiaca. Selected. Rich orange gold. Pkt. 10c. ¼ Oz. 50c.

DOLICHOS (Hyacinth Bean)

A rapid-growing climber with attractive, heart-shaped leaves and freely flowering in erect racemes. The seed pods as well as the flowers are very ornamental. A splendid vine for covering arbors, trellises, etc.

930. White
931. Purple
932. Mixed

Pkt. 10c. Oz. 25c. ¼ Lb. 75c.

ESCHSCHOLTZIA

California Poppy

New Introductions

We are offering below a select list of some of the newer and most recent strains and colors. Seed secured from the originator. California Poppies are so easy to grow that every one should have them. Sow in the permanent bed and thin out, do not transplant. They grow about 12 inches high and bloom all summer.

961. Lovely, rose pink suffused salmon.
962. Mauve Beauty, pure mauve.
963. Orange Flame, vivid orange scarlet.
965. Scarlet Beauty, deep scarlet.
966. Tango, bronzy red overlaid terra cotta.

Any of the above colors. Pkt. 10c. ¼ Oz. 50c.

967. Collection of a packet each of the above 6 varieties, 50c.

Selected Mixture of all the best varieties. Pkt. 10c. ¼ Oz. 30c. Oz. $1.00.

Euphorbia (Snow-on-the-Mountain)

970. Strong growing annuals, suitable for beds or mixed borders. The lovely green foliage margined with white, is extremely ornamental. Pkt. 10c. ¼ Oz. 25c. Oz. 70c.

EUPHORBIA HETEROPHYLLA (Mexican Fire Plant) (Summer Poinsettia)

971. An annual growing 2 to 3 feet high with green leaves, those at the top turning orange scarlet and resembling Poinsettias. Pkt. 10c. 3 Pkts. 25c.

Four O'clock

1370. Mirabilis. An old-fashioned, quick-growing plant producing brilliantly colored flowers, which open around 4 o'clock in the afternoon. It is very useful for borders or hedges. Pkt. 10c. Oz. 25c. ¼ Lb. 75c.

Gaillardia (Mexican Blanket Flower)

A hardy annual easily cultivated and very satisfactory for mixed borders and cutting. These daisy-like flowers are large, beautiful and colored brilliant golden-yellow, crimson, orange, amaranth and claret. They bloom throughout the entire season.

980. Picta. Large single crimson and orange colored flowers. Pkt. 10c. ¼ Oz. 30c. Oz. $1.00.

981. Lorenziana. Gaily colored double flowers with tubular florets. Pkt. 10c. ¼ Oz. 40c. Oz. $1.25.

1030. Gomphrena (Globe Amaranth)

This everlasting is popularly known as Bachelor's Button. The white, rose and purple-covered flower-heads look like those of red clover. It is an excellent flower for bedding or dried for the winter bouquet. Cut before the flowers are fully matured and hang up to dry. Pkt. 10c. Oz. 60c.

1020. Godetia (Satin Flower)

A most attractive, bushy little annual plant, bearing brightly colored flowers of a satiny texture. The plants bloom profusely and are very effective in gardens. Choice Mixed. Pkt. 15c.

1040. Gourds

Annual climbers, rapid growers, 20 to 25 feet high. The vines bear ornamental fruit in most peculiar shapes. Very suitable for covering arbors, fences and trellises. Pkt. 10c. Oz. 50c.

Gypsophila (Baby's Breath)

Delicate, graceful little plants with small flowers. Much in demand for cutting and combining with other flowers for bouquets and vases.

1050. Elegans alba Grandiflora. A large flowering annual white variety. Several sowings should be made a season. Pkt. 10c. Oz. 40c.

1051. Elegans Rosea. An annual form with delicate pink flowers. Pkt. 10c. Oz. 50c.

Ice Plant

MESEMBRYANTHEMUM CRYSTALLINUM

1350. A dwarf, annual, trailing plant with small white flowers. Its foliage is covered with glistening dots or elevations, which make the plant highly ornamental for window gardens and hanging baskets. Pkt. 10c.

Helichrysum Monstrosum

Straw Flowers

Attractive for beds and borders, but especially grown to dry and use in vases and baskets throughout the winter. When grown for the purpose of drying and using for winter decoration, the flowers should be cut when about one-third open and with as long stems as possible. The foliage should be striped off, then tie in bunches and hang heads downwards in a dark dry place to cure. The plants should be given plenty of room to grow, at least 12 inches apart. Most any soil is suitable.

The named varieties offered below will give a wonderful assortment of colors and brighten your garden with their glittering blooms. 2½ feet high.

1090. Fireball
1091. Golden Ball
1092. Silver Ball
1093. Rose Carmine
1094. Salmon Queen
1095. Violet Queen

Any of the above colors. Pkt. 10c. ¼ Oz. 50c.

1096. Collection of a packet each of the above 6 varieties, 50c.

1099. Mixed colors. Pkt. 10c. ¼ Oz. 40c. Oz. $1.00.

Heliotrope

A half-hardy perennial, flowering during the whole season. Its delightful perfume makes it a most desirable bouquet flower. A splendid bedding plant. Seed started indoors in the spring will make fine plants for summer blooming. Large; dark blue. Pkt. 15c. ¼ Oz. $1.00.

Humulus (Annual Japan Hop)

A rapid summer climber which attains a height of 20 to 30 feet. The foliage is luxuriant, making a dense covering. It is one of the best plants for covering verandas, trellises, etc., producing grateful shade and being very ornamental. Heat, drought and insects do not trouble it.

Japonicus. Pkt. 10c. ¼ Oz. 30c. Oz. 75c.

Hunnemannia

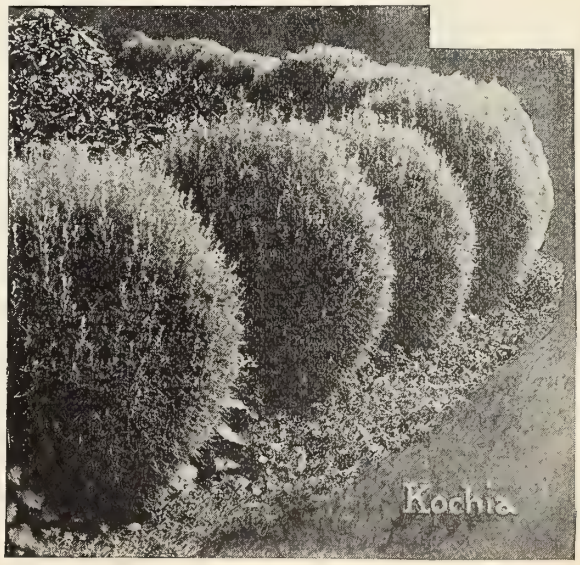
(Giant Yellow Tulip Poppy; Bush Eschscholtzia)

1165. Fumariæfolia. This is by far the best of the poppy family for cutting purposes, the flowers keeping fresh in water for over a week. These bushy plants with beautiful, feathery glaucous foliage are covered with large, clear, bright yellow cup-shaped flowers from July until frost. Pkt. 10c. ¼ Oz. 40c.

Kochia Trichophylla

(Summer Cypress or Mexican Fire Bush)

1190. An old-fashioned, popular annual. It is easily grown from seed, forming oval bushes 2 to 2½ feet high with dense feathery foliage. This foliage deepens in color as the summer advances until the whole plant assumes a fiery crimson hue. Pkt. 10c. Oz. 25c.



Annual Larkspur

The Annual Larkspurs have been gaining in popularity each year, due to the ease with which they may be grown, their earliness to commence flowering and increasing range of colors. Seed should be sown in open ground as early in the spring as possible. If sown early in April, plants can be had in bloom early in July. About a foot should be allowed between plants. As cut flowers Annual Larkspurs are unsurpassed.

1220. White **1222. Flesh** **1224. Carmine**
1221. Lilac **1223. Rose** **1225. Light Blue**
1226. Dark Blue

Any of the above colors. Pkt. 10c. ¼ Oz. 30c. Oz. $1.00.

1227. Collection of a packet each of the above 7 varieties, 60c.

1229. Mixed colors. Pkt. 10c. Oz. 60c.

Annual Larkspur

1210. Lantana

A small well-known shrubbery plant with clusters of verbena-like flowers of orange, rose, white, etc. Flowers very freely and can be potted for winter blooming. Pkt. 10c. ¼ Oz. 40c.

Linum (Flax)

1270. Grandiflorum Rubrum (Scarlet Flax). The plant grows from 1 to 2 feet tall and produces quantities of bright red flowers resembling single flowered pinks. It is highly ornamental and most satisfactory plant for beds or edgings. Pkt. 10c. ¼ Oz. 30c. Oz. $1.00.

Lobelia

Charming little plants of delicate beauty, suitable for hanging baskets, edging or pot culture. They bloom continually from June to November.

1280. Crystal Palace Compacta. The very best bedding variety; rich dark blue; four inches high. Pkt. 10c. ⅛ Oz. 60c.

1281. Gracilis. Trailing habit; suitable for hanging baskets, vases, etc. Flowers dark blue. Pkt. 10c.

Lupinus (Lupine)

Hartwegii. A very attractive plant with beautiful foliage and long spikes of blossoms, resembling those of the sweet pea. The plant attains a height of 3 ft. and forms a pleasing background for other flowers. Desirable for cut flowers.

Rich Blue **Rose** **White** **Mixed**

Each Pkt. 10c. Oz. 40c.

Mimosa Pudica (Sensitive Plant)

1355. An interesting annual grown for its sensitive foliage, the leaves close and droop when touched or shaken, pinkish white flowers. Pkt. 10c.

Marigold

The various classes of Marigold include a large number of exceedingly bright and attractive flowers, and in autumn, when many bedding and other plants are past their prime, they afford a wealth of color that is simply invaluable.

The African varieties produce large self-colored blossoms on tall plants; the French are smaller, but the colors and markings are very interesting, some of the varieties being elegantly striped and spotted. The Dwarf Single French Marigolds hold the chief place in the class. They are most effective in ribbon borders and as edgings to beds of tall flowers, such as Salpiglossis and Zinnia.

Giant African Marigold

Double African Varieties

Giant Lemon Ball. Enormous flowers of perfect shape, freely produced. 2½ feet high. Pkt. 20c. 6 Pkts. $1.00. ¼ Oz. 75c.

Giant Orange Ball. The darker form of above variety, rich golden yellow. Pkt. 20c. 6 Pkts. $1.00. ¼ Oz. 75c.

Giant Mixture. Pkt. 10c. ¼ Oz. 40c. Oz. $1.00.

LEGION OF HONOR (Little Brownie)

A single-flowering marigold forming compact bushes about 9 inches high. It begins to bloom in June and continues until frost. The flowers are bright golden-yellow, marked with a large blotch of velvety crimson at the base of each petal. Pkt. 10c. ¼ Oz. 40c. Oz. $1.00.

1315. FRENCH DWARF DOUBLE

Extremely effective for beds and borders. They flower from early spring until late fall. Plants 12 inches high. Finest Mixed. Pkt. 10c. ¼ Oz. 30c. Oz. 75c.

1340. Matthiola Bicornis (Evening Scented Stock)

An old-fashioned, easily grown annual, suitable for edging, bedding, pot culture and cutting. The flowers are a purplish lilac, and very fragrant. Pkt. 10c. ¼ Oz. 25c. Oz. 75c.

Mignonette

No garden is complete without this fragrant, modest-colored flower. Mignonette can be had in bloom at almost any time during the year. The flowers grow closely together in cone-shaped spikes. Splendid in bouquets of more pretentious flowers.

1360. Machet. The best variety, flowers until late in the fall. Pkt. 10c. ¼ Oz. 40c. Oz. $1.00.

1361. Bolgiano's Mammoth Flowering. Unusually large flower heads. Pkt. 10c. ¼ Oz. 25c. Oz. 75c.

Moon Flowers (Ipomea)

1175. Mesicana Grandiflora Alba. One of the most vigorous summer climbers, growing 30 to 40 feet in a season. The foliage is large and luxuriant, affording dense shade for porches. The flowers are white, very large and saucer-shaped; opening every evening and cloudy day. Pkt. 10c. Oz. 60c.

1176. Bona Nox. (Evening Glory.) Violet blue flowers similar to the white Moon Flower but not quite so large. Pkt. 10c. Oz. 60c.

Morning Glory (Convolvulus)

1170. Japanese. A handsome showy climber of easy culture and suitable for covering windows, trellises, old stumps, etc. The flowers are most brilliant in the morning and run through many shades, from white to dark blue, red and striped. Hardy annual. 30 to 50 feet high. Pkt. 10c. Oz. 25c.

1172. Heavenly Blue. Immense flowers of a clear sky blue color. A perfect beauty. Pkt. 10c. 3 Pkts. 25c.

1173. Brazilian Morning Glory (Setosa). The flowers of this variety are a pleasing shade of pink. It flowers heavily and is a vigorous grower. Pkt. 10c. 3 Pkts. 25c.

Bolgiano's Giant Flowering Nasturtiums

Make your garden bloom with a gorgeous profusion of flowers by planting nasturtiums. No other annual yields such large returns for so little time and labor. They are suitable for bedding, edging and cut flowers. Also climbing varieties.

Dwarf Giant Flowering

1390. Beauty. Yellow, spotted scarlet.
1391. Bright Rose.
1392. Empress of India. Deep crimson flowers, dark green foliage.
1393. French Chameleon. Produces combination of red and yellow flowers on the same plant.
1394. King of Tom Thumbs. Deep scarlet flowers with dark green leaves.
1395. King Theodore. Beautiful dark maroon flowers with dark green foliage.
1396. Pearl Amber. White flowers.
1397. Luteum. Pale yellow flowers.
Dwarf Giant Flowering Mixture.
Any of the above. Pkt. 10c. Oz. 25c. ¼ Lb. 50c. Lb. $1.25.

Tall Giant Flowering or Climbing

Butterfly. Yellow, spotted salmon.
Edward Otto. Brownish lilac.
Jupiter. Pure orange.
Moonlight. Creamy white.
Scarlet. Rosy scarlet.
Schultzi. Dark scarlet.
Vesuvius. Deep apricot.
Sunlight. Rich yellow.
Tall Climbing Mixed.
Any of the above. Pkt. 10c. Oz. 15c. ¼ Lb. 50c. Lb. $1.25.

Tall Variegated Leaved. Mixed Colors. Pkt. 15c. Oz. 25c.

Bolgiano's Giant Flowering Nasturtium

Pansies

The most popular flower of the garden; everyone loves pansies. No flower responds more quickly to careful attention than does this one and it should be the desire of every gardener to grow large pansies with long strong stems and a wide range of color. To get the best results pansies should be sown in July or August for early spring bloom and in the spring for fall bloom.

In germinating seed allow plenty of ventilation. Keep your beds moist, but not soaking wet, until plants come up. Never allow your beds to become dry. Any dryness after seeds sprout is absolutely fatal.

Giant Pansies in Mixture

1470. Steele's Mastodon Special Greenhouse Strain. This type is noted for its beautiful colorings, unusual size and substance, large, curled, wavy petals and long stems. Pkt. 50c. ⅛ Oz. $3.00.

1471. Non Plus Ultra. One of the richest mixtures ever sent out, and containing the Blotched and Masterpiece varieties in greatest proportion; very effective. Pkt. 20c. ⅛ Oz. $1.00.

1473. Triumph of the Giants, Original. The imposing 5 spotted flowers which on long vigorous stalks surmount the foliage in the most graceful manner, are of enormous size, perfectly round form and unusual substance.

The beauty, brilliancy and richness of color is most striking; also very rare and new tones of red and brown are met with in these flowers. Pkt. 25c. ⅛ oz. $2.00

1475. English Pansies. The old Faced Pansy, compact habit. Mixed. Pkt. 10c. ¼ Oz. 60c. Oz. $2.00.

1477. Bolgiano's Rainbow Mixture. A well balanced assortment of colors and varieties will be found in this mixture. The flowers, while not as large as those produced from the Giant varieties, are of good size and produced in abundance. Pkt. 10c. ¼ Oz. $1.00. Oz. $3.50.

Separate Colors

1480. Giant Adonis. Light blue with white center.
1481. Giant Lord Beaconsfield. Deep purple, upper petals white.
1482. Giant Snowflake. Pure white.
1483. Giant Bridesmaid. White and rose, beautifully blotched.
1484. Giant Emperor William. Cornflower blue, dark eye.
1485. Giant Yellow. Large black eye.
1486. Giant Golden Queen. Pure yellow.
1487. Giant Cardinal. Brilliant dark scarlet with darker eye.
Any of above separate colors. Pkt. 15c. ¼ Oz. $1.25. Oz. $4.50.
Collection. 1 Pkt. of each color (8 Pkts.) $1.00.

Bolgiano's Giant Pansies

Petunias

Sow seed lightly on the seed bed and gently press into the soil. Transplant when large enough, being careful to save even the smallest seedlings for oftentimes the smallest, frailest seedlings produce the finest blooms. Petunias delight in a sunny position.

Ruffled Giants

1530. A ruffled single petunia with exceptionally beautiful form and colors, extraordinary size and substance. Pkt. 25c.

Fringed Double Giants

1535. A mixture of the best large flowering and fringed double petunias. Pkt. 50c.

Single Bedding Varieties

Balcony Blue. A splendid free-flowering type, either for bedding or window-boxes, vases, hanging-baskets, etc. Rich indigo-blue. Pkt. 25c.

Balcony Rose. Brilliant rose-pink. Pkt. 25c.

Balcony Red. Bright red. Pkt. 25c.

1523. Howard's Star. Crimson-maroon with a clearly defined five-pointed star of blushing white. Pkt. 10c.

1524. Snowball. Pure satiny-white flowers. Pkt. 10c.

1525. Rosy Morn. Soft crimson-pink with white throat. Pkt. 10c. ⅛ Oz. 50c.

1529. Mixed colors. Pkt. 10c. ¼ Oz. 40c. Oz. $1.25.

Nemophila (Baby Eyes)

1420. A splendid annual for garden decoration with bright colored bell-shaped flowers growing in great profusion. Excellent for beds, borders and cut flowers. Pkt. 10c. ¼ Oz. 25c.

Nicotiana (Sweet Scented Tobacco)

1430. Affinis. Large white sweet scented flowers opening morning and evening. Pkt. 10c. ¼ Oz. 25c. Oz. 75c.

1431. Sanderæ Hybrids. A beautiful bushy plant growing 2 feet high. It is laden with pink blossoms from early summer until late fall. The flowers remain open all day. Pkt. 10c. ¼ Oz. 40c.

Nigella (Love in the Mist)

1440. Miss Jekyll. A compact, free-flowering plant with attractive feathery foliage and dainty blue flowers. The seed pods are very ornamental and curious. Pkt. 10c. ¼ Oz. 40c.

Poppies

When sowing the seed see that it is just barely covered. Seed should be sown where plants are intended to grow as they will not stand transplanting. Thin out to 3 to 4 inches apart. Pick off the old blooms to prolong the flowering period. Successive sowings made during the season will insure a continuation of bloom.

DOUBLE ANNUAL VARIETIES

1600. American Flag. Beautiful variety. Flowers very large and double; snow white bordered with scarlet. Pkt. 10c. ¼ Oz. 25c. Oz. 75c.

1601. Mikado. Brilliant scarlet and white with curved petals like a chrysanthemum. Pkt. 10c. ¼ Oz. 25c.

1602. Shrimp Pink. A gorgeous peony flowered double poppy with a most delicate shrimp pink color. Pkt. 10c. ¼ Oz. 25c.

1603. Carnation Flowered Mixed. A very fine mixture with large, double fringed flowers. Pkt. 10c. ¼ Oz. 25c.

1604. Peony Flowered Mixture. Immense, showy, double flowers; very similar to a peony. Pkt. 10c. Oz. 50c.

SINGLE ANNUAL VARIETIES

1590. Bolgiano's Choice Shirley Mixture. This strain is especially grown for us and the colors are carefully blended, they range through apple blossom, deep pinks, old rose, crimson, terra cotta, white to the deepest red. Pkt. 10c. Oz. 50c.

1592. Umbrosum (Caucasian Poppy). Dark crimson with a black blotch on lower part of each petal. One and 1½ ft. high. Pkt. 10c. ¼ Oz. 25c.

1593. American Legion. A brilliant orange-scarlet single poppy of immense size, borne on long stout stems. Pkt. 10c. ¼ oz. 40c.

English Scarlet (Flanders). The common scarlet Field Poppy of Europe. Pkt. 10c. ¼ Oz. 25c.

Salpiglossis

Painted Tongue

An exceedingly attractive half-hardy annual, with large, veined, funnel-shaped flowers which are highly ornamental in beds and borders and much prized for cutting. A bed of these beautiful plants is one of the most striking features of the garden during July and August.

Brown and Gold	**Light Blue and Gold**	**Scarlet and Gold**
Crimson and Gold	**Purple and Gold**	**Rose and Gold**

Any of above colors. Pkt. 10c. 6 Pkts. 50c.
All colors mixed. Pkt. 10c. ¼ Oz. 60c.

Salvia

1690. Splendens (Scarlet Sage). Among the most brilliantly colored garden flowers, and extremely useful for bedding, hedging or borders. It is a blaze of flaming scarlet, each plant bearing countless numbers of flower spikes. Pkt. 10c. ¼ Oz. 60c.

1691. Dwarf Bonfire. This is one of the finest scarlet sages growing 2 ft. high. Its brilliant red spikes stand above the dark green foliage and completely cover the plant. It attracts immediate attention in the garden. Pkt. 10c. ⅛ Oz. 70c.

Phlox Drummondi Grandiflora (Tall Varieties)

This strain of Phlox is the annual form and is also called "Texan Pride." The seed should be sown as early as possible in the spring. Almost any soil is suitable, but best results will be secured on light loamy soil in full sunshine. They grow about 15 inches tall and produce dense heads of brightly colored flowers.

1540. White	**1542. Lilac**	**1544. Primrose**
1541. Flesh	**1543. Crimson**	**Violet**

Any of the above colors. Pkt. 10c. ¼ Oz. 50c.
1549. Choice Mixed. Pkt. 10c. ¼ Oz. 50c.

DWARF VARIETIES

This type resembles the tall sorts offered in size of blooms but the plants are dwarfer in habit.

Shell Pink	**Purple**	**Crimson White Center**
Scarlet	**White**	**Dwarf Mixed**

Any of the above colors. Pkt. 10c. 6 Pkts. 50c.
Star of Quedlinburg. Dwarf; star-shaped flowers; a novel variety. Mixed colors. Pkt. 10c. ¼ Oz. 75c.

Portulaca (Mexican Rose)

There are few flowers that make such a dazzling display of colors in the bright sunshine as a bed of portulaca. They bloom from the first of July until killed by frost, growing 6 to 8 inches high.

1620. Single Mixed. Pkt. 10c. ¼ Oz. 35c. Oz. $1.25.
1625. Double Flowered Mixed. Pkt. 10c. ¼ Oz. $1.00.

Rhodanthe

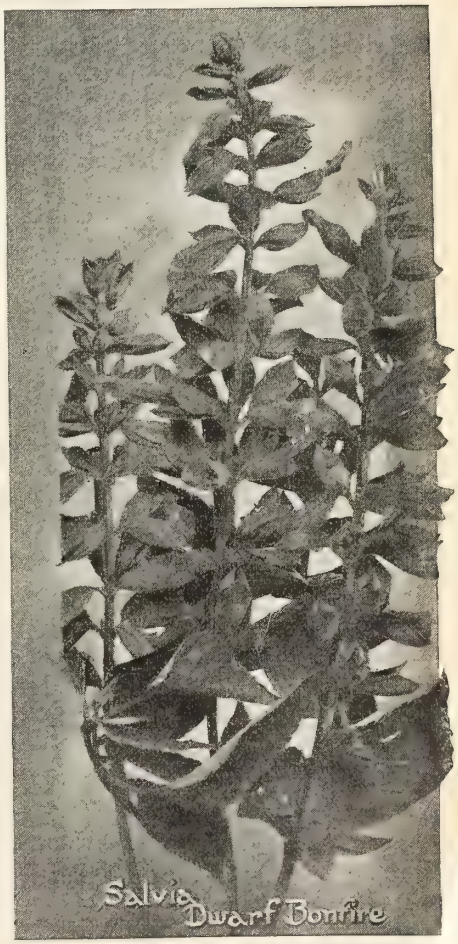
The following everlasting half-hardy annuals are prized for winter decorations and for pot culture. Height 9 to 12 inches. Mixed colors. Pkt. 10c. 3 Pkts. 25c.

Scarlet Runner Vine

1710. This ornamental, rapidly growing annual reaches a height of 15 ft. It produces showy sprays of scarlet sweet pea-shaped blossoms, which are succeeded by delicious edible beans. Pkt. 10c. Oz. 20c.

Schizanthus (Butterfly Flower)

1720. Annual bearing a profusion of pretty butterfly-like flowers of various colors. Desirable for winter blooming and bouquets. Pkts. 10c. 6 Pkts. 50c.



1820. BOLGIANO'S MIXED ORCHID FLOWERING SPENCER SWEET PEAS

This mixture contains the choicest named Spencer varieties blended in proper proportions, so as to insure a well-balanced color effect. Pkt. 10c. Oz. 25c. ¼ Lb. 75c. ½ Lb. $1.25. Lb. $2.25.

Bolgiano's Giant Orchid Flowering or Spencer Sweet Peas

Culture. Dig a trench 2 feet deep and 2 feet wide and fill with rich soil which has been carefully mixed with well rotted manure or black mold from the woods and generously sprinkled with lime. Early planting is necessary for best results with Sweet Peas as it gives the plants opportunity to develop good deep root systems to sustain them during the hot days. When the warm weather does come, such plants then make a strong upward growth. As soon as the frost is out of the ground in the spring and the soil is in a workable condition, sow the seed in drills 2 to 3 inches deep and 1 inch apart. Thin out the plants so they will stand 4 to 6 inches apart. Water, lime and deep cultivation are the essentials for Sweet Pea growing. When the young plants produce tendrils support them with chicken wire, sticks or string. Sweet Peas are heavy feeders—liquid manure applied once a week will be beneficial. Keep the seed pods picked off in order to lengthen the season of bloom and produce large, fine flowers. Sweet Peas may also be grown successfully in the fall by covering the bed with a heavy mulch which must be removed very early before the frost is entirely out of the ground.

1791. Constance Hinton. White tinted pink.
1792. King White. A superb pure white variety.
1793. Elfrida Pearson. Blush Pink.
1794. Hercules. A beautiful rich pink.
1795. Rosabelle. Beautiful bright rose.
1796. George Shawyer. Large salmon rose.
1797. Dobbies Cream. Deep Primrose.
1798. Royal Salute. Scarlet cerise.
1799. Crimson King. Rich deep crimson.
1802. Warrior. Maroon colored of immense size.
1803. Tangerine Improved. Orange.
1805. Barbara. Beautiful rich orange salmon.
1806. Commander Godsall. Large violet blue.
1807. Mrs. Tom Jones. The best azure blue variety.
1809. Hawlmark Lavender. Clear light lavender.
1810. Royal Purple. Large size and beautiful form.
1811. Blanche Ferry. Pink and white.
1812. Wizard. Glowing salmon scarlet.

Any of the above: Pkt. 10c. Oz. 40c. ¼ Lb. $1.25. Lb. $3.50.

EARLY FLOWERING SPENCER SWEET PEAS

The following varieties of Early Flowering Spencer Sweet Peas, while primarily suited for growing in greenhouses by florists, may also be planted outside with good results. They bloom much earlier than the regular outdoor varieties and if the old flowers are kept picked, will continue to bloom for several months. The following varieties have been selected by us as the best in their respective shades:

Vulcan. Vivid scarlet. Pkt. 25c. Oz. $1.00.
Orange King. Rich, deep orange. Pkt. 25c. Oz. $2.00.
Pink Cherokee. Pink suffused salmon on cream ground. Pkt. 25c. Oz. $1.50.
Eldorado. Orange salmon. Pkt. 25c. Oz. $1.50.
Blue Bird. A pure blue. Pkt. 25c. Oz. $1.00.
Burpee's Orange. Clear orange. Pkt. 25c. Oz. $1.00.
Columbia. Rose pink and white. Pkt. 25c. Oz. $1.00.
Flambeau. Orange cerise. Pkt. 25c. Oz. $1.00.
Glitters. Bright orange scarlet. Pkt. 25c. Oz. $1.00.
Grenadier. Dazzling scarlet. Pkt. 25c. Oz. $1.00.
Harmony. Clear bright lavender. Pkt. 25c. Oz. $1.00.
Miss Louise Gude. Shell pink. Pkt. 25c. Oz. $1.00.
Mrs. Kerr. Salmon, orange suffusion. Pkt. 25c. Oz. $1.00.
Mrs. W. G. Harding. Deep silvery blue. Pkt. 25c. Oz. $2.00.
Rose Queen. Rich rose shell pink. Pkt. 25c. Oz. $1.00.
Snowstorm Improved. Best white. Pkt. 25c. Oz. $1.00.
True Blue. Pkt. 25c. Oz. $1.00.
Yarrawa. Rose pink on cream. Pkt. 20c. Oz. 75c.
Zvolanek's Rose. Deep rose. Pkt. 20c. Oz. 75c.

Scabiosa (Mourning Bride)

A very beautiful plant and a great favorite with gardeners, splendidly adapted for beds, borders and cutting. The flowers are full, fluffy and exquisitely colored and borne on long graceful stems. When cut they keep for almost a week.

1700. White
1701. Azure Fairy (Azure Blue)
1702. Flesh Pink
1703. Rose
1704. Crimson
1705. King of the Blacks

Any of the above colors. Pkt. 10c. ¼ Oz. 40c.
1706. Collection of a packet each of the above 6 varieties, 50c.
1707. Finest Mixed. Pkt. 10c. ¼ Oz. 40c. Oz. $1.00.

Bolgiano's Stocks

Giant Perfection

The seed offered below has been secured from a specialist in the cultivation of choice varieties. The particular strain we have selected will produce plants 24 inches high, strong and bushy growth, with immense spikes of flowers. About 90% of the plants produce double flowers. The greatest of care has been exercised in the selection of this seed in order to obtain only the best quality. Sow the seed in boxes early in spring and transplant when danger of frost is over.

1760. Snow-white
1761. Pure-yellow
1762. Pure-rose
1763. Blood-red
1764. Flesh pink
1765. Purple
1766. Light blue

Any of the above colors. Pkt. 20c. 6 Pkts. $1.00.
1769. Mixed colors. Pkt. 20c. ⅛ Oz. $1.00.

Sunflower

(Helianthus)

These old-fashioned stately plants are especially valuable for backgrounds. They grow tall, make a dense growth and are often used for a screen to hide unsightly places.

1080. Stella (Miniature Sunflower). Plants grow 3 feet high with many spreading branches. Their large single golden-yellow flowers with black centers are excellent for cutting. Pkt. 10c. Oz. 50c.

1081. Double Chrysanthemum Flowered. Plants grow 7 feet tall and produce large double flowers from 7 to 11 inches in diameter. These flowers are a rich golden yellow with fringed petals which closely resemble the chrysanthemum. Pkt. 10c. Oz. 25c.

1083. (Red Sunflower.) Red flowers tipped with yellow, varying in size. 4 to 8 ft. Pkt. 10c. Oz. 50c.

Giant Russian. Monster Flowers. Oz. 10c. ¼ Lb. 25c. Lb. 70c.

1900. THUNBERGIA (Black-eyed Susan)

Beautiful, rapid-growing annual climbers, preferring a warm, sunny situation; used extensively for hanging baskets, vases, low fences, etc. Very pretty flowers in buff, white, orange, etc., with dark eyes. Pkt. 10c. ¼ Oz. 40c.

Giant Perfection Stocks

VINCA

(Madagascar Periwinkle or Old Maid)

An attractive annual with bright green, shiny foliage, and single five-petalled, star-shaped, rose-colored flowers. The plants grow about 15 inches tall, branch freely and are covered with blooms all during the summer and fall.

Alba, pure white. Pkt. 10c. ¼ Oz. 50c.
Delicata, soft pink. Pkt. 10c. ¼ Oz. 50c.
White with crimson eye. Pkt. 10c. ¼ Oz. 50c.
Mixed. Pkt. 10c. ¼ Oz. 40c.

New Verbenas, Hybrida Grandiflora

A magnificent new strain of Verbenas of robust compact habit and free blooming. The flower heads are immense, the individual florets measuring an inch in diameter. The Verbenas are fixed and come true from seed. We have secured our seed from the California originator.

1910. Blue, white eye.
1911. Lucifer, vivid scarlet self.
1912. Luminosa, flame pink shading to salmon.
1913. Pure White.
1914. Rose Pink, with large white eyes.
Any of the above colors. Pkt. 20c. ⅛ Oz. 75c.

VERBENA (MAMMOTH FLOWERING)

An old favorite which may be used for beds, borders or window boxes. The flowers are showy, fragrant and bloom from June until frost.

1920. White
1921. Pink
1922. Yellow
1923. Blue
1924. Scarlet
Mixed

Any of the above. Pkt. 10c. ¼ Oz. 60c. Oz. $2.00.

1980. XERANTHEMUM ANNUM

(Everlasting or Immortelle)

One of the most satisfactory everlasting flowers in bright rose, purple and white. Very showy in the garden and useful for dried flowers in winter bouquets. Pkt. 10c. 3 Pkts. 25c.

2050 Bolgiano's Surprise Flower Garden or Children's Flower Garden Mixture

This is a mixture which will give great pleasure to all who try it for waste corners and patches, and with a little or no care will procure a pleasing effect in places that would otherwise be nothing but a collection of unsightly weeds. This mixture is ideal for the Children's Garden. Why not put aside a little patch of ground for every one of your children? Show them how to spade and rake the bed smoothly, then early in May sow the seeds broadcast over the bed, and cover about one-half inch with fine sifted soil. Make the children a present of a package of seed and a watering pot and teach them to water when necessary. Do not thin out the plants and they will have a grand display of flowers the entire summer. If you have no children try a patch yourself. Pkt. 10c. Oz. 30c. ¼ Lb. $1.00. Lb. $3.00.

Giant Mammoth Zinnia

Zinnias

One of the most popular annuals for beds, mixed borders and cutting purposes. The zinnia blooms constantly from July until frost and does well in most any soil. To secure the largest flowers and a profusion of bloom, the plants must be given plenty of room for full development and an abundance of plant food. The flowers are fully double with long stems and good keeping qualities.

Giant Dahlia Flowered Zinnias

The latest development in Zinnias. It took seven years of painstaking care and selection to produce this type of Zinnia, but it is now recognized the world over as being the largest and most beautiful Zinnia. The Dahlia Flowered Zinnia is a good forcer and money maker for florists. The plants are sturdy and the flowers, often measuring 6 inches in diameter and 4 inches in depth, closely resemble the Show Dahlia.

1990. Polar Bear, large pure white.

1991. Canary Bird, delicate primrose.

1992. Oriole, orange and gold.

1993. Old Rose.

1994. Exquisite, light rose.

1996. Crimson Monarch, largest red.

1997. Dream, deep lavender.

1998. Golden State, orange yellow.

1999. Purple Prince, deep purple.

Any of the above colors. Pkt. 20c. ⅛ Oz. $1.00.

2004. Collection of a packet each of the above 9 varieties, $1.50.

2005. Mixed colors. Pkt. 20c. ¼ Oz. $1.00. Oz. $3.50.

Lemon Beauty. This is next to Crimson Monarch in size and form. It may be described as a golden yellow on brown. Decidedly a pastel shade, and should be in every collection. (New.) Pkt. 25c. 5 Pkts. $1.00.

SPECIAL.—See back cover for six new colors in new Giant Dahlia Flowered Zinnias.

GIANT MAMMOTH ZINNIAS OR CALIFORNIA GIANTS

The Giant Mammoth Zinnia has smaller centers and more loosely placed petals than the old Giant type, thus presenting a pleasing appearance. The size of the flower has been notably increased over the Giant Plenissima. The petals are decidedly imbricated and the flower from bud to bloom assumes a succession of graceful forms.

Lemon Queen	**Purity**
Miss Wilmott, soft pink	**Rose Queen**
Orange King	**Scarlet Gem**

Any of above colors. Pkt. 15c. each. 6 Pkts. 75c. ¼ Oz. 60c. Oz. $2.00.

¼ Oz. of each of above 6 colors $3.00.

Finest Mixed. Pkt. 15c. ¼ Oz. 50c. Oz. $1.50.

TALL DOUBLE-FLOWERING MIXED

Similar in height and form of plant to above variety except the flowers which are about two-thirds the size. Pkt. 10c. Oz. $1.00.

DWARF DOUBLE ZINNIAS

Plants 1½ ft. tall, large double flowers.

2020. White	**2021. Canary Yellow**
2022. Rose	**2023. Dark Scarlet**

Any of the above colors. Pkt. 10c. ¼ Oz. 30c. Oz. $1.20.

2025. Mixed colors. Pkt. 10c. ¼ Oz. 30c. Oz. $1.20.

QUILLED ZINNIAS

2028. Victory Choice Mixed. Pkt. 20c. 3 Pkts. 50c.

Zinnias—Tall Double

LILIPUT OR POMPOM ZINNIAS

2027. Plants 9 to 12 inches high with a profusion of flowers 2 inches across. A gorgeous variety for borders. Mixed colors: Pkt. 10c. ¼ Oz. 40c. Oz. $1.25.

2026. RED RIDING HOOD ZINNIAS

Compact plants 1 ft. high covered the entire season with small double, brilliant scarlet flowers. Pkt. 10c. ¼ Oz. 50c. Oz. $1.50.

Hardy Perennial and Biennial Flower Seeds

We have listed what we consider the very best varieties for the Hardy Garden. Perennials are becoming more Popular every year.

July and August are the best months for sowing Perennials, although some of them can be sown indoors early and will blossom the same year.

20. ACHILLEA (Milfoil or Yarrow)

Ptarmica "The Pearl." One of the best hardy plants for the herbaceous border. It grows about two feet high and from June until October is covered with clusters of pure white double flowers. Excellent for cutting. Pkt. 15c.

30. ACONITUM (Monkshood)

Napellus. It grows 3 to 4 ft. high and produces long stately spikes of helmet-like blue flowers from July to September. Pkt. 10c.

70. AGROSTEMMA CORONARIA (Rose Campion)

An easily cultivated, hardy perennial with silvery foliage and crimson flowers. Will bloom the first season, and if seed is planted at different intervals, will furnish cut flowers all summer. Pkt. 10c.

ALYSSUM

Saxatile compactum. Hardy perennial. Excellent rock or border plant, bearing bright yellow flowers from April to June. Height 9 inches. Pkt. 15c.

120. ANCHUSA ITALICA (Dropmore Variety)

A hardy perennial with forget-me-not like flowers of rich gentian blue. It blooms in great abundance during May and June. 4 feet high. Pkt. 15c.

AQUILEGIA (Columbine)

The columbines are among the most beautiful and most popular of all hardy plants. They produce graceful, spurred flowers on long stems, and are valuable for cutting, beds and rockeries.

Aquilegia

130. Mrs. Scott Elliott Hybrids. There is not a better mixture grown in the world than by Mrs. Scott Elliott, who has taken the highest awards at all the European exhibitions. Wonderful colors with very long-spurred flowers. Our stock is from seed from this source, absolutely true strain. Pkt. 25c. 5 Pkts. $1.00.

Canadensis (Common American Columbine). The native bright red and yellow variety, and one of the brightest. Pkt. 25c. 5 Pkts. $1.00.

Chrysantha. Beautiful golden yellow flowers; blooms for two months. Pkt. 10c. 6 Pkts. 50c.

Coerulea. Blue shades. Pkt. 15c. 6 Pkts. 75c.

Long-Spurred Hybrids. Mixture. Pkt. 15c. 6 Pkts. 75c.

161. Double Mixed. Pkt. 10c. 6 Pkts. 50c.

180. ARABIS ALPINA (Grandiflora Superba Rock Cress)

A spring essential. It is suitable for the tops of old stone walls, crevices in rocks or as edging plants for bulbs or any of the early flowering plants. Rock Cress grows about 6 inches high and is covered with a sheet of pure white flowers. Pkt. 15c.

192. ARMERIA FORMOSA HYBRIDA (Thrift Sea Pink)

A hardy perennial producing pretty rose pink flowers. An excellent edging plant. Pkt. 15c. 6 Pkts. 75c.

410. ASTER (Michaelmas Daisy)

These plants are the charm of the late fall garden for they are covered with masses of beautiful delicate flowers during September and October when most of the hardy flowers have finished blooming. They also make an excellent background for earlier flowering plants. Mixed. Pkt. 10c. 3 Pkts. 25c.

465. BAPTISIA AUSTRALIS (Blue Wild-indigo)

A perennial growing 4 ft. high with pea-shaped indigo blue flowers almost an inch long appearing in mid-summer. Pkt. 10c. 3 Pkts. 25c.

BELLIS PERENNIS (English Daisy)

A spring flowering perennial, easily grown from seed. The flowers are daisy-like in appearance and are beautiful for cutting and for beds.

IMPROVED GIANT DOUBLE

Red **Rose** **White**

Finest Mixed. Pkt. 25c. 3 Pkts. 60c.

470. BOCCONIA CORDATA (Pink Plume Poppy)

Hardy herbaceous perennial growing 5 to 8 ft. high with large heart shaped leaves and beautiful pinkish flower plumes. Pkt. 10c. 3 Pkts. 25c.

CAMPANULA MEDIUM (Canterbury Bells)

A very beautiful, old-fashioned, stately biennial, bearing bell-shaped flowers in great profusion. It is suitable for beds and backgrounds. Single mixed. Pkt. 10c. 3 Pkts. 25c.

Double mixed. Pkt. 10c. 3 Pkts. 25c.

561. CAMPANULA CALYCANTHEMA (Cup and Saucer Canterbury Bells)

This is the finest type of the old-fashioned bell flower. It differs from the ordinary Canterbury Bell in having an enlarged, spreading, petal-like outer part which forms the saucer to the cup. Pkts. 10c. 3 Pkts. 25c.

562. CAMPANULA PERSICIFOLIA (Blue Peach-Leaf Bell Flower)

A perennial growing 2 to 3 ft. high with erect stems bearing large blue bell-shaped flowers. Pkt. 15c. 4 Pkts. 50c.

563. CAMPANULA PYRAMIDALIS (The Chimney Bell Flower)

A beautiful perennial growing 4 to 5 feet high and bearing blue salver-shaped flowers. Pkt. 15c. 4 Pkts. 50c.

HARDY CANDYTUFT

Iberis. Sempervirens. Very dwarf plant covered with a sheet of white flowers in early spring. Fine for rockery. 8-10 in. Pkt. 15c. 4 Pkts. 50c.

CENTAUREA (Montana)

Large violet blue flower, resembling the Cornflower. 2 ft. July-Sept Pkt. 10c. 3 Pkts. 25c.

CHRYSANTHEMUM LEUCANTHEMUM (Shasta Daisy)

720. A large flowering, single, white, hardy daisy. It has long been considered one of our finest perennials for permanent garden decoration. Plants grow 2 to 2½ ft. high. Pkt. 20c. 3 Pkts. 50c.

800. COREOPSIS LANCEOLATA GRANDIFLORA (Harvest Moon)

One of the finest, hardiest garden plants, forming bushes 2 to 3 feet high. Each plant bears quantities of long stemmed, large, single yellow flowers throughout the summer. Lovely for cut flowers. Pkt. 10c. 3 Pkts. 25c.

DELPHINIUM (Hardy Larkspur)

A charming dignified plant growing 5 to 8 feet tall and producing beautiful flowers on spikes over 2 feet long. It is especially valuable for its splendid blues—a color comparatively rare in cultivated plants. Keep faded flower stalks cut down, this will encourage the plants to bloom a second time during the season.

WREXHAM HOLLYHOCK STRAIN (Mixed)

This strain is as near perfection as the most painstaking care the world's greatest specialists can produce. Plants of strong vigorous habit with immense spikes of flowers of the largest size in every tone from the palest lavender to the richest Oxford-blue, as well as a number of unusual pastel shades. The demand for the very best in hybrid Delphiniums is fully met in this marvelous strain. Pkt. 50c. 3 Pkts. $1.25.

870. Belladonna. Large perfect spikes of clear turquoise blue flowers. Pkt. 25c. 5 Pkts. $1.00.

871. Bellamosum. Rich deep blue flowers. Pkt. 20c. 3 Pkts. 50c.

872. Grandiflorum Chinense Dwarf. 2 ft. Gentian Blue Flowers. Pkt. 10c. 3 Pkts. 25c.

873. Gold Medal Hybrids. A very fine strain of choice colors. Pkt. 25c. 5 Pkts. $1.00.

HARDY GARDEN PINKS

882. Pheasant's Eye Pinks (Dianthus plumarius)

A beautiful hardy pink with fringed double flowers. All colors. Pkt. 10c. ¼ Oz. 40c.

883. Everblooming Hardy Garden Pinks (Plumarius Semperflorens)

Extremely beautiful, everbearing, sweet-scented, double flowers with various colorings and markings. Pkt. 25c.

DIGITALIS GLOXINIFLORA (Foxglove)

A stately, hardy, biennial of easy culture, often used as a background. It produces tall spikes of brilliantly colored, spotted, bell-shaped flowers and is a great favorite for old-fashioned gardens.

910. White 911. Rose 912. Purple

Any of the above colors. Pkt. 10c. ¼ Oz. 40c.

914. Finest Mixed. Pkt. 10c. ¼ Oz. 30c.

Giant Shirley Foxgloves. They are a genuine "Shirley" production of extraordinary size and vigor, growing 5 to 6 feet tall. The flower-heads are over 3 feet long, crowded with big, bell-shaped blossoms. Colors range from white and shell-pink to deepest rose, many attractively dotted with crimson or chocolate. Pkt. 25c. 5 Pkt. $1.00.

Canterbury Bells

940. ECHINOPS (Globe Thistle)

Ritro. This is a thistle-like perennial plant 5 to 6 feet high with steel blue heads, coming into color in July and August. It forms an excellent background plant for the more brilliantly colored flowers. The globe heads can be cut for dried winter bouquets. Pkt. 10c.

983. GAILLARDIA GRANDIFLORA (Mexican Blanket Flower)

A hardy perennial easily cultivated and very satisfactory for mixed borders and cutting. These daisy-like flowers are large, beautiful and colored brilliant golden-yellow, crimson, orange, amaranth and claret. They bloom throughout the entire season.

Choice Mixed. Pkt. 10c. 3 Pkts. 25c.

1052. GYPSOPHILA PANICULATA

This is a perennial white Baby's Breath. It blooms the first year from seed if planted early. Pkt. 10c. 3 Pkts. 25c.

1070. HELIANTHEUM MUTABILE (Fickle Sunrose)

A prostrate growing shrub-like evergreen plant with grayish foliage and showy single flowers, at first light rose changing to lilac and white. Pkt. 10c. 3 Pkts. 25c.

1110. HEUCHERA SANGUINEA (Coral Bell)

Two feet high and produces long sprays of small, coral-red, dainty, bell-shaped flowers. It is desirable for the hardy border or rockery, where it blooms from spring to fall. Coral Bells are useful to florists for cut flowers. Pkt. 15c. 4 Pkts. 50c.

HIBISCUS (New Giant Flowering Marshmallow)

A greatly admired native Marshmallow or Rosemallow, in which not only the colors have been greatly intensified, but in which flowers of enormous size, frequently 10 to 12 inches in diameter, have been developed at home in all positions, having the same vigor in dry and wet ground; perfectly hardy and are very floriferous, blooming from early in July until late in September. They are the most beautiful and hardy of all herbaceous plants. Mixed colors. Pkt. 25c.

Superb Double Hollyhock

Hollyhocks

A charming, old-fashioned plant, very desirable for hedges and backgrounds on account of its beautifully colored flowers and stately appearance. Sow seed in July and August for bloom the following year.

Chater's Superb Double

1130. White **1131. Newport Pink** **1132. Yellow**
1133. Rose **1134. Crimson** **1135. Maroon**
Any of the above colors. Pkt. 15c. ¼ Oz. $1.00.
1137. Collection of a packet each of the above 6 varieties, 75c.
1138. Mixed colors. Pkt. 10c. ¼ Oz. 60c.

Single Varieties

1140. Many garden lovers consider the Single Hollyhocks more artistic. They produce a large graceful flower and are very vigorous in growth. Mixed colors. Pkt. 15c. 4 Pkts. 50c.

LATHYRUS LATIFOLIUS (Hardy Everlasting Peas)

1240. These climb 6 or 8 feet when trained on a trellis. The flowers are borne in large clusters and resemble the sweet pea. They are peculiarly adapted to rough places, to scramble over rocks or bushes. Splendid for cut flowers. Mixed colors. Pkt. 10c. 3 Pkts. 25c.

LINARIA

Cymbalaria (Kenilworth Ivy, or Mother of Thousands). Lavender and purple. A charming, hardy trailing plant for rock work and wall gardens. Pkt. 15c.

LOBELIA

1282. Cardinalis (Cardinal Flower). A hardy perennial plant growing 3 feet tall It thrives best in a moist slightly shaded position. The flowers are a rich dazzling crimson and the foliage a bright green. Pkts. 20c.

PENTSTEMON (Beard Tongue)

1510. Gloxinioides "Sensation." For the hardy border or for bedding this is most satisfactory. The plant grows about 2 feet high with each branch becoming a spike of large gloxina-like flowers. The colors are various shades of pink, red and purple. Pkt. 20c.

LUPINUS (Polyphyllus)

A perennial form of Lupine growing 3 feet tall and producing graceful spikes of flowers. It does well in most any soil, but prefers a little shade.

1295. White **1296. Rose** **1297. Blue**
1299. Mixed colors
Any of the above colors. Pkt. 10c.

LYCHNIS (Haageana)

1300. A beautiful perennial plant growing about 1 foot high and producing large clusters of scarlet flowers. Pkt. 10c.

LYTHRUM ROSEUM SUPERBUM (Rose Loosestrife)

1305. Strong erect growing perennials with willow-like leaves and beautiful rose colored blooms. July to September, 4 ft. Pkt. 10c.

MATRICARIA (False-Camomile)

1330. Capensis alba (Double White Feverfew). A handsome plant producing all season multitudes of small double pure white flowers in dense clusters. Excellent for cutting. Pkt. 10c.

MYOSOTIS (Forget-Me-Not)

These dainty little perennial plants with their charming blue flowers are very effective for mass planting, ground covers for spring flowering bulbs. They are easily grown and combine most attractively with other flowers.

1380. Alpestris. Rich indigo blue. Pkt. 10c. ¼ Oz. 50c.
1381. Palustris Semperflorens. An everblooming variety with large sprays of clear blue delicate flowers. They bloom from May till frost. Pkt. 20. ⅛ Oz. 50c.

POPPY (Perennial Varieties)

1610. Iceland Poppy. It flowers the first year from seed, blooming almost as quickly as the annual sorts. Their white, sulphur, yellow and orange flowers held above a tuft of glaucous foliage are unusually beautiful and attractive. Pkt. 10c.

1611. Oriental Poppy. 2½ to 3 ft. high. Large, single, scarlet flowers, blotched at the base of each petal. Pkt. 10c.

POPPY

1613. Oriental Hybrids. A mixture of beautiful named varieties. Pkt. 10c.

HARDY PHLOX

1550. Phlox decussata. Perennial phlox. 2 to 3 ft. high, forming large bushes and bearing immense heads of flowers. Finest mixed. Pkt. 15c.

PHYSALIS (Chinese Lantern Plant)

1560. Francheti. Used by florists and decorators in winter bouquets. It should be given an early start in-doors in order to mature its gorgeous orange scarlet lanterns, or seed vessels before frost. 2 feet high. Pkt. 25c.

PHYSOSTEGIA (False Dragon Head)

1570. Virginica. One of the most beautiful plants for the hardy border. The plant grows 4 feet high and produces long spikes of delicate, pink flowers from July to frost. Pkt. 10c.

PLATYCODON (Japanese Bellflower or Balloon Flower)

1580. Grandiflorum. It forms a large clump 2 ft. high which blooms continuously from May to October. The flowers are a delicate blue color. In the autumn when clearing off the border do not cut away the old stems of Platycodon, but let the plant die off naturally, otherwise the buds of next year's bloom may be injured. Pkt. 10c.

HARDY PRIMULAS

1630. Primula Japonica (Japanese Primrose). A hardy primrose which bears its showy flowers in umbels or clusters arranged one above another on erect stems 6 to 9 inches long. Beautifully colored—varying from rich dark crimson through rose and pink to white. Pkt. 25c.

1635. Primula Elatior (Oxlip Primrose)

Hardy perennial showy flowers in early spring, pot or outdoor culture. 9 in. Mixed colors. Pkt. 25c.

PYRETHRUM (Painted Lady)

Roseum Hybridum. The plant grows 2 to 3 feet high and produces quantities of beautiful, rose-colored, daisy-like flowers with yellow centers. They bloom during May and June and again in the fall. After the spring blooming season cut down the foliage to the basal leaves and feed with bone meal to insure larger and more prolific blooms in the fall.

Double Mixed. Pkt. 25c. 5 Pkts. $1.00.

Single Mixed. Pkt. 25c. 5 Pkts. $1.00.

RUDBECKIA (Cone Flower)

1670. Laciniata (Golden Glow). A very popular hardy perennial attaining a height of 5 to 6 ft. and producing masses of golden yellow cactus dahlia-like flowers. Blooms from July until September. Pkt. 15c.

1671. Newmani. A hardy plant producing an abundance of orange yellow flowers with large black cone-shaped centers. The flowers are borne on long stems and keep well in water, making them valuable for cutting. Pkt. 15c.

1672. Purpurea (Giant Purple Cone Flower). The most beautiful hardy perennial Cone Flower. It produces all summer large reddish-purple flowers about 4 inches in diameter. Pkt. 15c.

SCABIOSA (Hardy Scabious)

1709. Caucasica (Blue Bonnet). A most desirable perennial plant growing about 3 feet high. Its artistic soft, lavender-blue flowers are excellent for cutting purposes. Pkt. 15c.

STATICE (Notch Leaf Sea Lavender)

1740. Sinuata Mixed. Plants grow 2 feet tall and produce sprays of showy funnel-shaped flowers. Statice grows in most any soil, but requires full sunlight. The flowers retain their beautiful clear colors when dried. Pkt. 10c.

STOKESIA (Cornflower Aster)

1780. Cyanea. An indispensable plant for the hardy border growing 2 feet high. Stokesia likes a sunny, open location and adds its wealth of bloom from July to October—when other flowers are scarce. These blooms resemble the cornflower and are a delicate shade of blue in color. Splendid for cutting. Pkt. 10c. ⅛ Oz. 60c.

SWEET WILLIAM (Dianthus barbatus)

An old favorite hardy garden plant of easy culture, thriving in any good garden soil and lasting for years. Our strains produce large heads of fragrant flowers in a great variety of beautiful colors. The plants form large clumps and grow about 1 ft. high.

1870. Single Mixed. Pkt. 10c. ¼ Oz. 25c.

1880. Double Mixed. Pkt. 10c. ¼ Oz. 75c.

Newport Pink Pkt. 15c. 4 Pkts. 50c.

Sweet William

1935. VERONICA SPICATA (Spike Speedwell)

A hardy garden plant about 1 and ½ ft. high with long spikes of bright blue flowers in June and July. Pkt. 10c.

VIOLAS (Tufted Pansies or Horned Violets)

1950. Papilio. One of the best edging plants available—it is a mass of lavender-violet color from May to October. The flowers are somewhat smaller than the regular pansy but where color effect and a long season of flowering is desired, it is far superior. Keep the faded flowers cut off so as to have a greater number of blooms. Pkt. 10c.

1960. WALLFLOWER

An old-fashioned garden flower. The large fragrant spikes are very conspicuous in beds and borders and are very useful in making bouquets. Finest Single Mixed. Pkt. 15c. Double Mixed. Pkt. 25c.

Choice Garden Peonies

A noble flower, almost rivaling the Rose in brilliancy of color and perfection of bloom. The first point in its favor is hardiness. In the severest climate the plants require no other protection than that which they afford themselves. Freedom from all diseases and insects is an important argument in favor of their cultivation. Each succeeding year adds to their size and beauty. No other flower is so well adapted for large, showy bouquets. The Peony may be planted either singly on the lawn or in borders. It flowers early in June.

Festiva Maxima Peony

Albert Crousse. Salmon-pink, delicate color. Large compact bomb shape; fragrant; erect; medium height. Late. $1.00 each. Doz. $10.00

Couronne d'Or. White with yellow tints arising from a few stamens showing amidst the petals. Center petals tipped with carmine. Strong grower and very free bloomer. Late. 75c. each.

Duchess de Nemours. Sulphur white, green reflex; fine cupshaped bloom. 75c. each. $7.50 Doz.

Edulis Superba. Bright clear pink with silvery reflex, extra good cutflower variety. 50c. each. $5.00 Doz.

Felix Crousse. Very brilliant ruby-red; one of the best and most popular kinds for cutting. $1.00 each. $10.00 Doz.

Festiva Maxima. The finest pure white in existence, extra for cutting purposes. 60c. each. $6.00 Doz.

La Tulipe. Lilac white shading to blush white, outer guard and center petals striped carmine. 50c. each. $5.00 Doz.

Mad. Calot. Pale hydrangea pink, center shaded darker, collar tinted silver; fragrant. 75c. each. $7.50 Doz.

Mad. Emile Galle. Delicate shell-pink with touches of heliotrope and lavender; extra. $1.00 each. $10.00 Doz.

Mons. Jules Elie. Glossy pink shading into deeper rose at the base, overlaid with a sheen of silvery rose; fragrant. $1.00 each. $10.00 Doz.

Reine Hortense. Soft flesh-pink deepening to shell-pink, crimson splashes; enormous, compact flat flower, well formed and of a striking appearance; fragrant. $1.75 each. $16.00 Doz.

Sarah Bernhardt. Apple blossom pink, silver tipped; the strongest growing Peony of all; flowers of remarkable size and grandeur; strong, long stems; perfect. $3.50 each.

Bulbs and Roots

Tuberous-Rooted Begonias

This pretty class of Begonias is one of the most attractive of summer flowering plants. Flowers measure from four to six inches across, colors ranging from pure white and delicate pink, yellow, and orange to rich scarlet and deep crimson. Used to excellent advantage in window or porch boxes in semi-shaded places. Bulbs may be started in-doors in February and transplanted into beds as soon as all danger of frost is over.

Crimson **Rose** **White**
Yellow **Mixed Colors**

Single, 25c. each. $2.50 doz. Double, 35c. each. $3.50 doz.

CALLA (Richardia Elliottiana)

The variety offered below succeeds best when treated in the same manner as gladioli, tuberoses and other summer-flowering bulbs. They should be planted in the open border in a dormant condition when danger from frost is over in spring, and will then flower during the summer months. When the tops are killed by frost in the autumn, dig and store through the winter as you would potatoes.

Golden Yellow. The deep golden yellow flowers are truly magnificent. The green foliage is spotted creamy white, which adds to its beauty.

Mammoth size bulbs. 40c. each. $4.00 Doz.

CINNAMON VINE (Dioscorea Batatas)

A beautiful, rapid-growing summer climber, with bright green, glossy foliage, and spikes of deliciously cinnamon-scented, white flowers. It is perfectly hardy, the stem dying down in winter, but growing with great rapidity in the spring, so as to cover any trellis or arbor very early in the season. Large, select roots. 15c. each. $1.25 Doz. $9.00 per 100.

Fancy Leaved Caladiums

This year we are offering a much improved mixture containing many of the finest importations from Brazil. No other summer foliage plant equals the Fancy Leaved Caladiums in rich and gorgeous, yet soft coloring.

They may be planted in pots, in window boxes or in outdoor beds, but always in a shady or semi-shady location. Start in about a 3 or 4 inch pot according to size of the bulb, covering the bulb about 1 inch deep. Repot as required.

Mammoth Size: 40c. each. $4.00 Doz.

Caladium or Elephant Ears

One of the most effective plants in cultivation for the flower border bed or for planting out on the lawn. They will grow in any garden soil, and are of the easiest culture. To obtain the best results they should be planted where they will obtain plenty of water and abundance of rich compost. Foliage light green. When full size they stand 6 feet high and bear immense leaves 3 to 4 feet long by 2¼ feet wide. Should not be planted in the open until May 1st, but to get them in early growth can be started indoors.

These are particularly fine for center of beds, giving a beautiful effect where Cannas and Scarlet Sage are planted on the outside borders.

Extra Large Bulbs. 30c. each. $3.00 doz.
Large Bulbs. 20c. each. $2.00 doz.
Small Bulbs. 10c. each. $1.00 doz.

Selected Cannas

Dormant Roots

Culture. Set the plants 18 inches apart to allow for growth and cultivation. Water *thoroughly* when you plant and keep the plants well watered for two or three weeks until they are are growing vigorously. After a good soaking rain, the plants will take care of themselves, except during extremely dry weather.

For Circular Beds. Plant 1 in the center, 6 in the first circle, 12 in the second circle, then 18, 24, etc., according to the size of the bed with the circles, and the plants in the circles 18 inches apart. A bed 4 feet in diameter takes 7 Cannas; a 7-foot bed, 19 Cannas; a 10-foot bed, 37 Cannas; a 16-foot bed, 91 Cannas.

Apricot. 4 ft. We consider this canna of unusual merit and especially valuable, because it adds a new color to the list. Apricot has healthy bright green foliage. The flowers are of large size and a most pleasing mixture of buff and salmon which gives the apricot shade from which it takes its name.

Eureka. 4 ft. Remarkably free-flowering variety and with its striking white flowers, which first appear cream, makes a very effective show used with a good scarlet.

Hungaria. 3½ ft. The ideal pink bedder, flowers large in good trusses. Color not unlike that of Paul Neyron Rose.

King Humbert. Flowers measure 6 inches in diameter, brilliant orange scarlet, bright red markings. Foliage broad and massive, of a rich, coppery bronze. 5 feet.

Mohawk. 5 ft. Flowers are large with long petals that withstand hot sun and rain. Color is a brilliant poppy-red toning to carmine. Beautiful bronze foliage. This variety will give a wealth of bloom. Mohawk is a good variety to plant with Eureka, using Mohawk in the center as it grows taller.

Mrs. Alfred F. Conard. It is the most robust of pink cannas and has the largest flowers. The blossoms are of a rich pink color and retain their beauty after days of exposure to hot sun. The foliage is green. Height four feet.

Richard Wallace. 4 ft. Dainty shade of canary yellow, bright green foliage. In a light yellow, we could not ask for better.

The President. 5 ft. Color a rich glowing scarlet and the immense firm, rounded flowers seven inches across when open are produced on strong, erect stalks, well above the large, rich green foliage.

Wintzer's Colossal. 5 ft. The largest flowered canna to date, as the average flowers almost cover a man's hat. Color is a striking vivid scarlet that retains its brilliancy.

Yellow King Humbert. 5 ft. Green foliage, symmetrical plants, golden yellow flowers lightly spotted red. Makes a splendid variety to bed with the bronze leaf King Humbert.

Any of the above Cannas, 15c. each. $1.50 doz. $10.00 per 100.

Bolgiano's Selected Dahlias

The following list of Dahlias is the result of careful selection in the growing fields and represents our choice of the many varieties offered. In this list you will find both cheap and expensive varieties but they all produce flowers that will make your garden a riot of bloom and color.

Cultural Directions: A good average garden soil will produce wonderful flowers. It should be well drained and thoroughly loosened to a depth of eight or ten inches. Plant the tubers so that they are about six inches below the top of the ground. Either animal or commercial fertilizer may be used but care should be taken not to let it touch the roots. A handful of commercial fertilizer may be mixed with the soil at planting and another handful or two hoed in during the growing season. To obtain exhibition flowers, disbud all but a few of the buds thus throwing all the strength of the plant into a few flowers. Cultivate continuously throughout the growing season.

New and Choice Varieties

We consider the following 20 varieties a very choice selection of the best varieties and worthy of a place in anyone's garden.

Ambassador. The finest of all Cactus Dahlias. The color is a soft yellow buff shaded salmon pink; flowers of pleasing form and enormous size, the splendid flowers are held erect well above the foliage on the strongest stems ever seen on a Cactus Dahlia. $1.50 each.

Amun Ra. (Decorative.) "The Sun God." Won first prize for three successive years on the Pacific Coast. The outer petals are of gorgeous copper and orange tones shading to gold and amber deepening in the center to a dark reddish brown. Large size on stiff stems. $1.00 each.

Gladys Sherwood. (Hybrid Cactus.) A giant among pygmies; flowers often nine inches in diameter, of fine form and are held erect on strong stems; one of the best whites.

Insulinde. (Decorative.) Rich saffron yellow shaded russet-orange, petals twisted and curled. $1.00 each.

Jersey's Beacon. (Decorative.) This fine novelty is chinese-scarlet in color, paler on the reverse, giving a two-toned effect. It is a great favorite and a real "beacon of the garden." Very large; free bloomer; vigorous grower. $2.50 each.

Rodman Wannamaker

Jersey's Beauty. (Decorative.) The finest pink Dahlia in existence. The color is true pink without any markings, perfect shape on long straight stems. A very free bloomer and a splendid keeper. Its popularity has increased each year since its introduction. $1.00 each.

Kitty Dunlap. Decorative of American Beauty rose shade, producing large exhibition blooms. The stems are very long and wiry; a real acquisition and can be recommended for any purpose. $1.00 each.

Leo Niessen. (Decorative.) A brilliant cardinal red with a glistening sheen. A strong vigorous upright grower of branching habit. Considered the perfect red Dahlia. $3.00 each.

Mariposa. (Hy. Cactus.) One of the gigantic California introductions. A delightful shade of true pink intensified by a deeper center and faint violet suffusion. Long narrow petals curled and twisted. Long stiff stems. $1.50 each.

Miss America. (Hy. Cactus.) A rich orange buff, blending toward the center, lemon chrome; the long petals are wavy, twisted and curled, colored on the reverse light Jasper red, adding richness and beauty to this autumn shaded dahlia. $2.50 each.

Mr. Crowley. (Decorative.) A beautiful, luminous shade of salmon pink. Flowers of large size, fine form and substance. Plant is a sturdy grower and free bloomer on stiff stems. Fine for exhibition and the garden. $1.00 each.

Mrs. Hugo Kind. (Decorative.) Bright velvety carmine; reflex spectrum red. 8 to 10 inches in diameter. The plant is a very sturdy healthy grower and a favorite for exhibition and cutting. $1.50 each.

Mrs. I. de ver Warner. (Decorative.) A deep mauve pink of perfect form and very large size. $1.00 each.

Paul Michael. (Decorative.) A deep orange buff. Immense flowers, perfect for the garden. $1.00 each.

Robert Treat. The American Beauty colored dahlia. A strong vigorous grower and free bloomer. Beautiful form and large size. $1.50 each.

Rodman Wannamaker. The color is entirely distinct from any other variety. The buds are pale lemon yellow. As it opens up it becomes a beautiful golden salmon pink. Flowers measure from 9 to 13 inches across. $3.00 each.

* **Roman Eagle. (Decorative.)** Large exhibition decorative, of a flaming, brilliant, burnished copper color. One of the most admired dahlias at the recent large shows. $2.50 each.

Rookwood. (Decorative.) A bright cerise rose; one of the best in its shade and carries the flowers upright on strong wiry stems; this variety is a prize winner. $2.50 each.

Sunset Glow. (Hy. Cactus.) The color is yellow at base of petal, outer part overlaid flame scarlet, tipped yellow. The plant is one of the first to bloom, of medium height, 3 to 4 feet, and branching habit. It is an extremely profuse bloomer and every flower is perfect. $1.00 each.

U. S. A. (Hy. Cactus.) A splendid exhibition variety of largest size and fine form. Color, a rich deep orange. The plant is a free grower and good bloomer. $1.25 each.

General List of Dahlias

Washington City

CACTUS VARIETIES

Attraction. Large, elegant flower of a clear lilac rose, long stiff stems. 65c. each.

Cigarette. A variegated dahlia in color creamy white heavily edged with pomegranate red but varies greatly, no two flowers being exactly alike. Long petals inclined to roll, forming a large deep flower of great substance on very long stems. $1.00 each.

Countess of Lonsdale. Salmon red, shaded pink, very free and dependable. 35c. each.

George Walters. Hybrid Cactus. Flowers of immense size. Color a rich coppery old gold, tinting to buff at the center. A great acquisition. 50c. each.

Golden West. A California variety, rich golden bronzy yellow with scarlet shading at base of petals and center. It is a wonderful grower, strong and sturdy, with heavy clean healthy leaves, and branching habit. Large flowers on long, stiff stems. 50c. each.

Kalif. A very large pure scarlet red, measuring 8 to 10 inches in diameter. 75c. each.

Nibelungenhort. Immense flowers 7 to 8 inches across, rich golden apricot suffused old rose. 65c. each.

Washington City. A gorgeous snow-white variety of beautiful form. 65c. each.

Yellow King. Light Yellow tinting to cream at the tips, of gigantic size. 50c. each.

PEONY FLOWERED VARIETIES

Elsa. White suffused yellow, overlaid pink edged carmine rose. 50c. each.

King of Autumn. An entirely new shade of buff-yellow suffused with orange. 75c. each.

Mrs. Jessie L. Seal. Old rose with gold shading, a very large flower. 75c. each.

Geisha. The most striking color combination, golden yellow, changing to bright scarlet at the center of petal and back to gold at the tip. Giant flowers on long wiry stems. $1.00 each.

Queen Elizabeth. A beautiful rosy mauve with curled center petals. 60c. each.

William Austin. Flowers large, color white suffused cerise, tipped carmine. 50c. each.

DECORATIVE VARIETIES

Dream. A flower of beauty and perfect form. Color, peach with an amber-like glow. Good keeper for cutting, medium size. 50c. each.

Dr. Tevis. Bronzy old gold, shaded and suffused violet rose. 65c. each.

Jane Selby. Delicate mauve pink, giant flowers on long stiff stems. $1.00 each.

Judge Marean. A wonderful blending of yellow, gold and orange suffused pink and edged red.

Millionaire. A giant lavender pink tinting to white at the center. 90c. each.

Mrs. Carl Salbach. A lively shade of solferino pink with white suffusion. 75c. each.

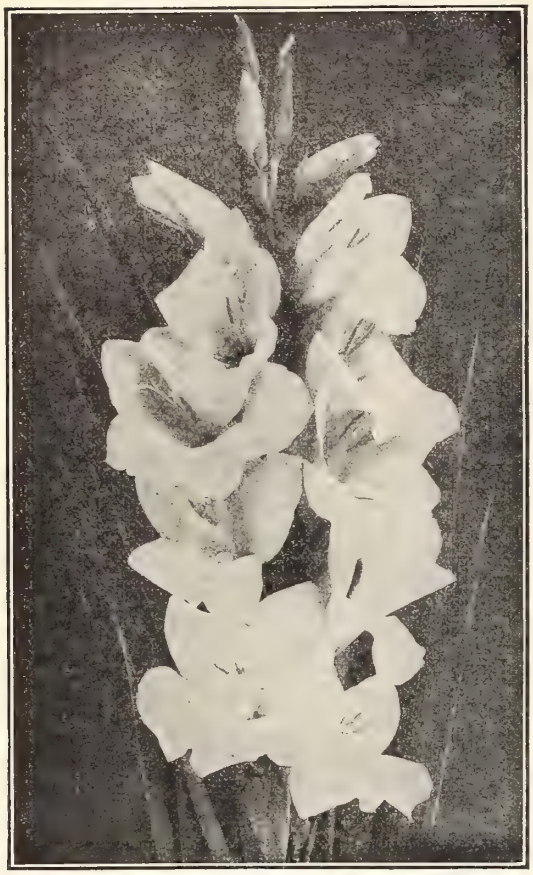
Mrs. J. Harrison Dick. Citron yellow at center, outer petals suffused salmon pink. 50c. each.

Patrick O'Mara. Color orange buff tinged with Neyron Rose 7 to 9 inches in diameter. 50c. each.

Pride of California. Deep rich red, full flower, best of its shade for cutting. 65c. each.

Souvenir de Gustav Doazon. Very large, light red; a strong and vigorous grower. 35c. each.

Mrs. J. H. Harrison Dick



Flora

Gladiolus

Most Popular of all Summer Flowering Bulbous Plants All First Size Bulbs. Rare and Beautiful Varieties

This flower has made wonderful strides during recent years. Its popularity today is exceeded by few other flowers and it has by no means reached its limit. Failure with this flower has never been known. They will grow in any open position and bloom well. They are not only showy in the garden, but when cut with the first flower open will last for 10 days in the house. The newer colorings defy the choicest orchids. Plant bulbs 4 inches deep, 6 inches apart and stake when 2 feet high. Flowers appear from early July until late in the Fall. A succession of blooms may be had from July until October by making plantings from April to June about ten days apart.

Bolgiano's Glory Collection

Orange Glory. Peach red with orange, throat lighter with small carmine blotch, beautifully ruffled, excellent show variety. 15c. each. $1.50 doz. $10.00 per 100.

White Glory. White shaded cream, blue line on lower segments, heavily ruffled, compact spike. 20c. each. $2.00 doz. $15.00 per 100.

Kunderdi Glory. Creamy apricot tinted light pink, suffused with red on lower petals, the parent of all ruffled Kunderd varieties. 15c. each. $1.50 doz. $10.00 per 100.

Rose Glory. Purest rose pink with deeper throat; splendidly ruffled flowers on good spike. 20c. each. $2.00 doz. $15.00 per 100.

Purple Glory. Velvety ruby red with darker blotch, elegently ruffled. 40c. each. $4.00 doz. $30.00 per 100.

Special Collections

5 each of above 5 varieties	(25 Bulbs)	$4.50
10 " " " 5 "	(50 Bulbs)	8.00
20 " " " 5 "	(100 Bulbs)	15.00

Superb Large Flowered Varieties

	each	doz.	100
Alice Tiplady. Rich orange, lighter shadings	$ .10	$1.00	$7.00
America. Large flowering, lavender pink	.10	.60	4.00
Anna Eberius. Reddish purple with cardinal shade	.15	1.50	9.00
Arizona. Deep rose-pink with maroon markings	.10	1.00	7.50
Byron L. Smith. Lavender pink on white ground	.15	1.50	10.00
Crimson Glow. Vivid scarlet red	.15	1.50	10.00
E. J. Shaylor. Ruffled rose pink	.15	1.20	9.00
Evelyn Kirtland. Rose pink with brighter blotch	.10	1.00	7.00
Flora. Beautiful canary yellow	.15	1.50	11.00
Golden Measure. Fine deep yellow, large wide open flowers; requires good feeding for best results. Strikingly beautiful.	.25	2.50	18.00
Halley. Lovely salmon pink	.10	.75	5.00
Herada. Pure mauve, a very attractive color	.10	1.00	7.50
Ida Van. Deep salmon red	.10	.80	6.00
Lily White. Creamy white shading cream in center	.10	1.00	7.00
L'Immaculee. Broad spike of white flowers	.10	1.00	7.00
Le Marechal Foch. Apple blossom pink, carmine center	.10	.75	5.00
Mary Pickford. Creamy white, throat sulphur yellow.	.15	1.50	10.00
Maiden's Blush. Blush pink with lighter throat	$ .10	$1.00	$7.50
Mrs. Francis King. Scarlet, crimson blotch	.10	.80	4.00
Mrs. Frank Pendleton. Bright rose, scarlet blotches.	.10	1.00	7.00
Mrs. Dr. Norton. White suffused pink, sulphur throat	.15	1.25	8.00
Mrs. H. E. Bothin. Salmon pink, heavily blotched fiery scarlet, ruffled	.20	2.00	14.00
Mrs. Watt. The best wine red	.10	1.00	7.50
Niagara. Nankeen yellow, spotted and veined carmine.	.10	.75	5.00
Odin. Deep salmon rose with red spear	.15	1.20	9.00
Panama. Large open deep rose flowers	.10	.80	6.00
Peace. White with lilac feathering	.10	.80	5.50
Prince of Wales. Pink suffused salmon orange	.10	1.00	7.00
Rose Ash. Corynthian red combined with ashes of roses, rather unique, large	.20	2.00	14.00
Scarlet Princeps. Lively scarlet, throat brighter	.15	1.00	7.50
Schwaben. Soft yellow, deep red blotch	.10	.70	5.50
Souvenir. Purest golden yellow, tall slender stems	.15	1.50	10.00
War. Blood red, shaded crimson	.15	1.25	8.00
Wilbrink. Flesh pink with yellowish blotch	.10	.80	6.00

Bolgiano's Primulinus Mixture

A new type of Gladiolus producing slender spikes bearing orchid-like flowers, ranging in color from the lightest of yellow to deep orange and from soft salmon-pink to rich crimson. Ideal for cutting. First size bulbs. 60c. doz. $4.50 per 100.

BOLGIANO'S SPECIAL SELECTION OF GLADIOLUS

Mixed from 25 choice named varieties.

25 bulbs, $1.00. 50 bulbs, $1.75. 100 bulbs, $3.50 1000 bulbs, $32.00.

See inside page of back cover for colors and special collection.

Hardy Lilies

With the exception of *Lilium candidum,* which seems to prefer an open position, most Lilies thrive best when planted in a semi-shaded situation where the ground can be kept cool and moist by the protection of shrubs and a carpet of lawn-grass cuttings. Planted among shallow-rooting perennials or rhododendrons, they find a congenial situation both as to soil and shelter. The bulbs should be planted from 6 to 8 inches deep, with a little sand or spagnum moss under the base of each bulb.

Auratum. (Gold-Banded Japan Lily.) Undoubtedly one of the finest. Its large graceful, fragrant flowers are composed of six petals of a delicate ivory-white color, thickly studded with chocolate-crimson spots and striped through the center a golden yellow; 3 to 5 feet. July to September. Mammoth Bulbs. 40c. each. $4.00 doz.

SPECIOSUM ALBUM

The White Speciosum, which is usually grown with Magnificum and *Lilium auratum,* is a very dainty Lily. It flowers outside in the border or among rhododendrons at the same time as Auratum and Magnificum, and is one of the most extensively cultivated varieties. Mammoth Bulbs. 40c. each. $4.00 doz.

SPECIOSUM MAGNIFICUM

Words cannot describe the beauty of this variety. Frosted white, spotted, clouded and bordered with deep pinkish crimson. For the border, among hardy plants or naturalized among rhododendrons, this is an equal favorite with the handsome *Lilium auratum.* Splendid for pot culture as well. Blooms outside during August. Mammoth Bulbs. 40c. each. $4.00 doz.

Henryi. A new Japanese Lily that has made a sensation in Europe. It has the same form and appearance as the Speciosum varieties, but the flowers are bright orange-yellow. 75c. each. $7.50 doz.

Hansoni. Most desirable; not particular in its cultural requirements and extremely handsome in flower; does well in light loam. The stem reaches a height of 4 to 5 feet, carrying blossoms 2 inches across, regularly reflexed, the petals being of a bright orange spotted more or less with brown, of a waxy texture. June flowering. 75c. each. $7.50 doz.

Regale or myriophyllum. (The Regal Lily.) It is absolutely hardy, and is excellent for forcing. It has been predicted that this will become the Easter Lily of the future, and being so hardy, may be grown at home. The flowers are white, slightly suffused with pink, with a beautiful shade of canary-yellow at the center, and extending part way up the trumpet. It is delightfully perfumed, reminding one of the Jasmine, and lacking the heavy, oppressive odor of most Lilies. Blooms out-of-doors early in July. 75c. each. $7.50 doz.

Double Tiger Lily. (Lilium tigrinum florepleno.) Very Lasting, showy, double flowers. Orange red with black spots. 25c. each. $2.50 doz.

Single Tiger Lily. (Lilium tigrinum splendens.) (3-4′). Beautiful, salmon-red flowers with purplish-black spots. A strong grower. August and September. 25c. each. $2.50 doz.

Lilium Magnificum

Gloxinias

The Gloxinia makes one of the prettiest and most charming of pot plants. They may also be set out-doors after danger of frost is past. Plant the bulbs in pots during January. They require plenty of water. If moved outdoors select a moist shady location. Our mixture contains the purple, scarlet and white varieties. Also the purple bordered white and scarlet bordered white. We have them in a mixture only.

Mixed colors. 30c. each. $3.00 doz.

Fragrant Double Pearl Tuberoses

BLEEDING HEART

Dielytra Spectabilis. An old-fashioned plant with much cut foliage and drooping heart-shaped flowers of deep rosy red produced from May to July. 75c. each. $6.75 for 10.

LILY-OF-THE-VALLEY

A dainty plant with large leaves and small white nodding flowers; delicate and sweet-scented. Blooms in May and June. Clumps 35c. each. $3.25 for 10.

MADEIRA VINE
(Climbing Mignonette)

A beautiful and popular vine, covering a large space in a short time. Fleshy heart-shaped leaves of a light green, and numerous racemes of feathery flowers of delightful fragrance. Protect with litter in this latitude. 15c. each. $1.50 per doz. $10.00 per 100.

Excelsior Double Pearl Tuberoses

One of the most fragrant and most popular of the Summer flowering Bulbs. Easily recognized by its fragrance and beautiful flower spikes, which are borne on long stems, making it an admirable cut flower for house decorations. Plant in open ground after the first day of May. If started in pots and then transplanted to open ground can be had much earlier.

Mammoth Size Bulbs. 15c. each. $1.00 doz. $7.50 100.

First Size Bulbs. 10c. each. 70c. doz. $5.00 100.

Easy to grow bulbs and blooms when you use

SEMESAN

around the seed, bulb or root that protects it in the delicate sprouting stage. Easy to use either *as a dust or liquid.* No special skill or equipment required. Recommended by flower growers in all sections of the country. You are losing bulbs, blooms and money when you plant without Semesan.

Prices for Semesan

2 oz.	$ .50	5 lbs.	$13.00
8 oz.	1.60	25 lbs.	62.50
1 lb.	2.75	50 lbs.	122.50
100 lbs.	$240.00		

Bolgiano's Selected Everblooming Roses

There is perhaps no plant or flower so generally cultivated today as the Rose. Its wonderful beauty and fragrance make it the most popular of flowers. For extensive grounds, small lawns, porch trellis or hedges, Roses are used with charming effects. Many persons think it difficult to grow Roses, but such is not the case; good soil and a little care will insure fine, hardy plants and beautiful blossoms.

The following sorts are the most popular, very hardy and will bloom throughout the season. We offer only the best 2 yr. old, field grown Roses. They will run 3-5 branches and will bloom the first year.

Planting and Care of Roses

Roses should be planted in good, rich soil. Dig the hole deep enough so that it can be set in the ground about two inches below where it was budded. That will prevent suckers from growing up from the natural root. Do not trim the root off too severely, but cut the tops off about eight inches above the top of the ground. Pack good rich soil thoroughly around the roots, being careful not to let any compost come in contact with the roots. Keep the top of the earth thoroughly worked around the bushes the entire season. Each following Spring they should be pruned ten to twelve inches. Always use pruning shears, as a knife has a tendency of loosening them from the earth.

Japanese Iris

(Iris Kaempferi)

These differ from the commonly grown, and better known, German Irises in that they carry their flowers on top of their stately stems. The individual flowers are of truly enormous size (6 to 8 inches in diameter) and of the most gorgeous and richly varied colors imaginable. Blooming season, June-July.

The four varieties which we offer are entirely distinct and will be found a most desirable addition to any collection. They were selected by Prof. Georgeson, while in Japan some years ago, as being among the most beautiful in a garden holding scores of varieties.

Double White. (Gold Bound.) Six large, open milk-white petals, deep yellow at base.

Peacock. Nine large overlapping petals; violet purple, veined with white.

Pyramid. Nine large petals, indigo blue, veined with white.

Stella. Three violet petals, veined white.

Strong roots, 40c. each. $4.00 doz. $30.00 100.

Alexander Hill Gray. The long pointed buds develop into large flowers of perfect form. They open lemon yellow and assume a darker shade as they reach full size and maturity. One of the most satisfactory of all garden Roses, with attractive glossy, disease-resistant foliage.

America. Promises to be a very popular garden rose. Growth moderate, with good foliage. Flowers of exquisite form, great substance, light glowing rose pink and of delightful fragrance.

Columbia. Lively bright pink, sweetly scented flowers, of exquisite shape. Free flowering, good growth, healthy foliage.

Etoile de France. Vivid crimson flowers, with full, rounded centers of bright cerise; fragrant and long lasting.

Gen. McArthur. Crimson-scarlet, very fragrant. Long considered the best red bedding rose.

Gruss an Teplitz. Double blooms of brilliant crimson with velvet shadings and intense fragrance.

Hoosier Beauty. Splendid dark red blooms, fragrant.

J. J. L. Mock. Carmine buds of gigantic size, opening slowly to enormous blooms of deep carmine-pink.

Kaiserin Augusta Victoria. Snowy white with a slight tint of lemon at center; fragrant.

Lady Hillingdon. Flowers deep saffron-yellow, fragrant.

Los Angeles. Very lovely buds and exquisite flowers of salmon-pink, with yellow shading, very sweetly perfumed.

Mrs. Aaron Ward. Delightful buds of golden buff; double, attractively shaped flowers of tawny gold and pink, fragrant.

Ophelia. A creamy white and pale pink bloom with a glint of golden yellow; very fragrant.

Pink Radiance. Brilliant rose-pink buds, shining flowers with lighter tints on the reverse of the petals; globular in shape, very fragrant. Most popular American Rose.

Red Radiance. Bears big globular flowers of deep rose-red on strong canes, freely produced all summer.

Robin Hood. Rosy-scarlet color at once soft, bright and lasting; bloom full and of beautiful form. Sturdy and free-flowering.

Souv. de Claudius Pernet. Another season's reports from all sections see this peerless rose emerge triumphantly as the most dependable golden-yellow garden rose of today. It is equally charming in bud, or while opening, and after fully blooming. The plants grow freely, and produce flowers liberally. It has very attractive green foliage.

Sunburst. Fine yellow flowers, strongly suffused with orange at the center, fragrant, and well shaped.

Selected dormant plants. $1.00 each. $10.00 doz.

For Late planting we can supply Pot Grown Plants in 6-inch pots. $1.25 each. $12.00 doz.

CLIMBING ROSES

Clb. American Beauty. Brilliant carmine.

Dr. W. Van Fleet. Pale pink, long stems, the best.

Gardenia. Yellow buds and creamy flowers, yellow center.

Paul's Scarlet. The purest scarlet of any climber.

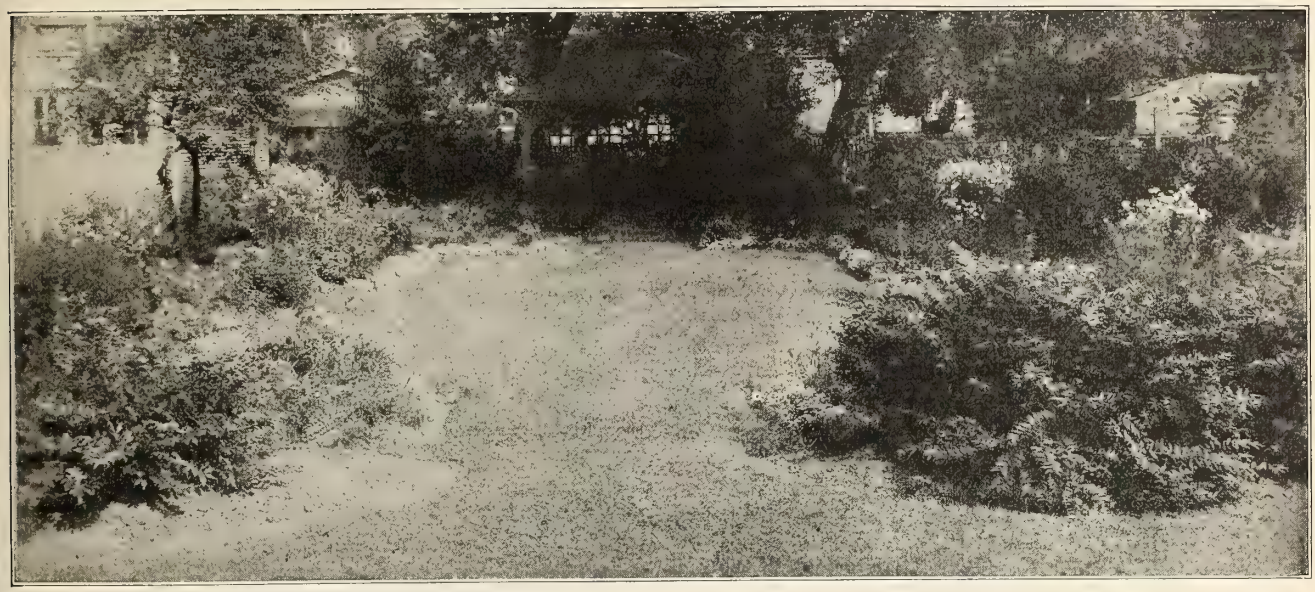
Silver Moon. Long creamy buds, gigantic flowers.

Selected dormant plants. $1.00 each. $10.00 doz.

Pot-grown plants. $1.50 to $3.50 each.

See Page 66 for Rose Sprays

Hardy Flowering Shrubs



Shrubs are of great importance in beautifying the home grounds. Always changing in variety of bloom, color of foliage and growth. They are of perennial interest. They can be used in many ways, as a dividing line between vegetable and flower garden, or lawn, hiding unsightly buildings, a background for the flower garden or foundation planting.

The acreage space for planting is 3 ft. for dwarf varieties and 5 ft. for the taller ones.

As a general rule, shrubs should be pruned just after they have finished flowering.

The best time to plant is in early spring as soon as the ground can be worked, until about May 10.

We have offered below some of the most popular flowering shrubs, but will be pleased to correspond with any of our customers desirous of getting other varieties.

Abelia grandiflora. White, heather-like flowers, tinted lilac, completely cover the plant.

ALTHEA (Rose of Sharon)

The Altheas are among the most valuable of our tall, hardy shrubs on account of their late season of blooming, which is from August to October, when few shrubs are in flower. They are extensively used as hedge plants. Red, Pink, White, and Purple.

CALYCANTHUS OR ALLSPICE

Sweet Scented, or Strawberry, Shrub. Bears great numbers of double, dull brownish purple flowers of exquisite, aromatic, strawberry-like fragrance.

CORNUS (Dogwood)

Alba (Sibirica). (Red-barked Dogwood.) Vivid, bright red bark, hence very showy.

CYDONIA (Japanese Flowering Quince)

Japonica (Pyrus Japonica.) Spiny shrubs with green, glossy leaves and large, showy, scarlet flowers during May-June. $1.00 each. $10.00 doz.

DEUTZIA

Crenata Fl. Pl. (Double Deutzia.) Of tall habit. Double pinkish flowers during June.

DEUTZIA

Gracilis. Of dwarf habit. Pendulous white flowers in June. 12 to 18 in.

FORSYTHIA (Golden Bell)

Viridissima. (Green-barked Forsythia.) A free-flowering shrub of spreading habit and yellowish-green bark. Bell-shaped yellow flowers.

Volck. A non-poisonous spray, most effective for blight and insects on shrubbery and evergreens, see page 66.

HYDRANGEA

Arborescens Sterilis. (Snowball Hydrangea.) Large full heads of snow-white flowers in lavish profusion, from late in June until late in August.

Hydrangea paniculata grandiflora. The flowers are borne in cone-shaped heads 6-12 inches long, appearing in August and September and turning later to pinkish bronze. Grows in full sun, but requires plenty of water.

LILAC

Common Purple. (Syringa vulgaris.) Purple.
Common White. (S. vulgaris alba.) White.

PHILADELPHUS (Syringa)

Coronarius. (Mock Orange.) Of upright habit and produces, in June, a wealth of white fragrant flowers.

SPIRÆA

Anthony Waterer. Color bright crimson. It is of dwarf, dense growth, 30 inches in height and blooms the entire summer and fall, if the old flower-heads are removed.

Van Houttei. (Bridal Wreath.) The grandest of all the white Spireas. It is of compact habit and a beautiful ornament for the lawn at any season, but when in flower is a very beautiful sight, the white blooms almost entirely covering the foliage.

VIBURNUM (Snowball)

Opulus Sterilis. (Common Snowball or Guelder Rose.) Of strong growth and spreading habit. In late May and early June, it bears large round clusters of pure white flowers. 2 to 3 ft. $1.00 each. $10.00 doz.

Plicatum. (Japanese Snowball.) Of compact upright habit with highly ornamental foliage, and bears dense clusters of pure white flowers in great profusion, during late May and early June. $1.00 each. $10.00 doz.

Weigela rosea. An ornamental shrub of spreading habit, with more or less arching branches and rather large leaves. The pink-colored flowers are trumpet-shaped and appear in May and June.

Any of above Shrubs 75c. each. $7.50 doz. Except where noted

Hedge Plants

California Privet. (Ligustrum ovalifolium.) This is a favorite hedge plant and when so used should be planted 6 inches apart and cut back to about 6 inches of the ground. Extra selected plants. 2 ft. $1.00 for 10. $7.00 a 100. $55.00 a 1000.

Regel Privet. (Ligustrum ibota regelianum.) A low, dense shrub, with almost horizontally spreading branches. The small white flowers appear along the branches in June and July followed by small black fruits often remaining throughout the winter. It will grow in almost any kind of soil and will flourish in partial shade. Extra strong plants. 2 ft. 40c. each. $4.00 doz. $28.00 per 100.

Barberry. (Berberis Thunbergii.) Has become very popular for producing low, dense hedges. Its abundant, small light green leaves, which turn to rich colors in autumn, and its wealth of scarlet berries render it very attractive. It is extremely hardy, and requires but little pruning. Ornamental and graceful the year around. For hedges set plants 12 inches apart. Extra strong plants. 40c. each. $4.00 doz. $25.00 per 100.

New Red-Leaved Japanese Barberry

(Berberis Thunbergi atropurpurea)

Never have we known of the introduction of a novelty in hardy shrubs which has met with more instant favor and success than the New Red-Leaved Japanese Barberry.

Similar in growth and other respects to Berberis Thunbergi, it has foliage of a lustrous, bronzy red, similar to the best of the red-leaved Japanese Maples. Unlike other color shrubs, which fade as the season advances, it becomes more brilliant through the summer, and in fall changes to vivid orange, scarlet, and red, more brilliant and effective than the ordinary Japanese Barberry. In color of foliage it is unequalled by any other shrub and it bears the same brilliant scarlet berries common to the type, which remain on the plant the entire winter.

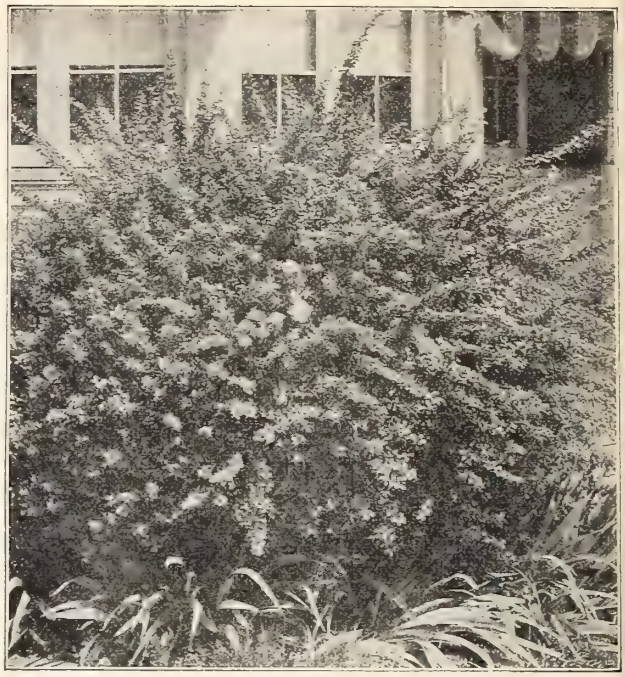
All that is required to develop its brilliant color at all seasons is *full exposure to the sun. This is important.*

Extra strong plants. $1.00 each. $10.00 per doz.

We will have a choice lot of pot grown Perennials at proper time for planting, such as Delphiniums, Foxgloves, Columbines, Canterbury Bells, Hollyhocks, Gaillardias, Pyrethum, Phlox and many other varieties. Extra strong plants. 40c. each. $4.00 doz.

Bolgiano's Hardy Phlox

See Page 95 for Parcel Post Rates



Japanese Barberry

Hardy Climbing Vines

AMPELOPSIS

Veitchi. (Boston, or Japanese Ivy.) A most popular climber, clinging firmly to brick, stone or other material. Deep, glossy-green ivy-shaped foliage, which turns to crimson and gold in autumn. A splendid planting is illustrated above. Strong, 2 years. 75c. each. $7.50 doz.

BIGNONIA

Radicans. (Trumpet Flower.) Fern-like foliage and large trumpet-shaped flowers of vivid orange-scarlet during midsummer. 75c. each. $7.50 doz.

CLEMATIS

Paniculata. (Japanese Virgin's Bower.) Unequalled for airy grace and beauty. It quickly grows to a height of 15 to 20 feet, and spreads freely. During August-September it resembles a sheet of fleecy white, composed of numerous pure white star-like flowers. 75c. each. $5.00 doz.

LONICERA (Honeysuckle)

Halleana. (Hall's Japanese Honeysuckle.) A popular and very valuable vine with abundant, glossy, evergreen foliage. Exceedingly fragrant flowers from May until November. 50c. each. $5.00 doz.

WISTARIA (Glycine)

Sinensis. (Chinese Wistaria.) Of rapid growth and attains a great height. In May its flowers of soft, dainty lavender-blue are produced in pendulous racemes a foot or more long. 50c. each. $6.00 doz.

Hardy Garden Phlox

Strong Field-grown Plants

Bridesmaid. White, with crimson eye.

Ferd Cortez. Deep crimson.

Mrs. Chas. Dorr. Lavender.

Mrs. Jenkins. White.

Rhynstrom. Bright pink.

Richard Wallace. White, violet eye.

Thor. Deep pink, scarlet eye.

Miss Lingard. Waxy-white with lavender eye. Longest spikes of any Phlox. Early, fragrant, continues through season.

Elizabeth Campbell. Bright, salmon-pink, dark eye. 50c. each. $5.00 doz.

Any of above varieties except Elizabeth Campbell. 30c. each. $3.00 doz.

Fruit Trees and Small Fruits

CONCORD GRAPES.

GRAPES

2 yr. **50c.** each. **$5.00** doz.

Catawba. Standard late red variety.
Concord. Late, black.
Delaware. Small, red, early.
Moore Early. Standard early black.
Niagara. Greenish yellow, ripens with Concord.

RASPBERRIES

Heavy Transplanted Plants

Cuthbert. Large, red, standard late variety. **$2.50** doz. **$15.00** per 100.
Scarff. Standard late black variety. **$2.50** doz. **$15.00** per 100.
St. Regis. Early, everbearing variety, red fruit. **$2.50** doz. **$15.00** per 100.

BLACKBERRIES

Eldorado. Large, black, juicy. **$2.00** doz. **$12.00** per 100.

STRAWBERRIES

Chesapeake. Late, large, good shipper.
Glen Mary. Large, midseason, popular market variety.
Klondike. Early, large, dark red berries, for market.
Missionary. Large, early, adapted to Southern States.
Premier. Early, large red, good commercial variety.
Any of above varieties. **60c.** for 25. **$1.50** for 100. **$10.00** per 1000.
Progressive. Best known everbearing strawberry, early. **75c.** for 25. **$2.50** per 100. **$14.00** per 1000.

WEIGHT WHEN PACKED

	doz.	100
Blackberries, Currants, Gooseberries	2½ lbs.	20 lbs.
Raspberries	2 lbs.	12 lbs.
Grapes	3 lbs.	25 lbs.
Perennials	3½ lbs.	
Roses, Iris	4 lbs.	
Strawberries	(25) 1½ lbs.	3½ lbs.
Peonies	5 lbs.	

APPLES

3 year old. **$1.25** each. **$12.00** doz.

Delicious. Medium to large, red, October to January.
Grimes Golden. Medium, yellow, late August.
Banana. Large, waxen yellow, late fall.
Stayman Winesap. Large, red, November to February.
Yellow Transparent. Medium, yellow, middle of July.
York Imperial. Large, red, November to March.

CHERRIES

Black Tartarian. Sweet, 3 yr., **$1.50** each. **$15.00** doz.
Montmorency. Sour, 3 yr., **$1.50** each. **$15.00** doz.
Napoleon. Sweet, 3 yr., **$1.50** each. **$15.00** doz.

PEACHES

Extra selected. **75c.** each. **$7.50** doz.

Belle of Georgia. Light with blush, flesh white. August 10 to 25.
Carman. Cream, red blush; white flesh, July 25 to August 10.
Elberta. Yellow, red blush; flesh yellow, Aug. 15 to Sept. 15.
Crawford's Early. Yellow with red cheek; flesh yellow, August 15.
J. H. Hale. Yellow overlaid carmine; flesh yellow; September 1.

PEARS

Bartlett. Large, fine-grained, August. 3 yr. **$1.50** each.
Kieffer. Large, blight-resistant, Oct. to Feb. 3 yr. **$1.50** each.
Seckel. Small, tender, September. 3 yr. **$1.50** each.

PLUMS

2 yr. **$1.50** each. **$14.00** doz.

Burbank. Red on yellow, flesh yellow, August and September.
Reine Claude. Yellowish green to yellow, midseason.
Moore's Arctic. Purplish black, flesh yellow, September.

CURRANTS

Fay. Dark red, midseason. 2 yr. **50c.** each. **$5.00** doz.

GOOSEBERRIES

Downing. Large, thin skin. 2 yr. **50c.** each. **$5.00** doz.

No plants will be shipped C. O. D. We ship all nursery stock at the proper time for planting, which may be sometime after we receive your order. Unpack all plants directly you receive and water. If not ready to use them on arrival, dig a hole and put them in covering up the roots and water well.

All express or parcel post charges on nursery stock are to be paid by customer. Consult lower left column, this page, for weight of plants, and page 95 for parcel post charges.

J. H. Hale Peach

Fertilizers for the Farm, Garden and Lawn

All prices F. O. B. Baltimore

Potato Fertilizer. This is a very high grade Fertilizer especially prepared for potatoes. 10 lbs. 50c. 25 lbs. $1.00. 50 lbs. $1.75. 100 lbs. $3.00. 500 lbs. $13.75. Ton (2000 lbs.) $50.00.

Garden Fertilizer. This is a Good General Fertilizer for Vegetables, Fruits and Flowers. 10 lbs. 40c. 25 lbs. 90c. 50 lbs. $1.50. 100 lbs. $2.75. 500 lbs. $12.00. Ton (2000 lbs.) $40.00.

Nitrate of Soda. "Refined, soluble," very quick to act, does not take the place of other fertilizers, but stimulates quick growth, and matures early crops when used occasionally along with them. 5 lbs. 50c. 10 lbs. 90c. 25 lbs. $2.00. Ask for prices on larger quantities.

Sulphate of Ammonia. This is an excellent Lawn Fertilizer for spring and summer use, as it promotes the growth of lawn grass, and is an enemy of crab grass and weeds. 5 lbs. $1.00. 10 lbs. $1.50. 25 lbs. $2.00. 100 lbs. $6.00.

IMPORTED GRANULATED

PEAT MOSS

TORF MULL

GRANULATED PEAT MOSS is Virgin Soil—Europe's choice medium for contributing to the formation of Humus. It should be added to garden soil which usually consists of Clay, Loam or Sand—unsuitable in themselves yet, with proper treatment, excellent basis for making productive soil.

TRADE MARK G PM

A Guarantee of Quality

It is finely granulated, of little weight and entirely free from foreign matter. "GPM" is packed in compressed, 8 bushel bales; burlapped on all sides, sticked and wire strapped. When loosened, the contents will cover at least 240 square feet, 1 inch deep. It is not sold by weight because the weight of the bale is dependent upon the technical moisture content at the time of bailing and varies in accordance with atmospheric conditions.

Price **$3.50** per bale.

Blood Meal—for Roses

Rose growers have learned in the past few years that Blood Meal is one of the most valuable fertilizers for Roses. It contains the proper plant food that Roses require, both for the growing of new wood and blooms. If you will use Blood Meal several times during the season, you will always have an abundant supply of blooms until late Fall.

It is well to remember that all plants require the proper kind of food if they are to do their best. After carefully studying the requirements of Roses, we can recommend Blood Meal to be the very best Rose tonic.

A tablespoonful to be sprinkled around the Rose Bush, about one inch away from the Bush, every two weeks. It is also very valuable as a top dressing in the vegetable garden, flower garden, around house plants, trees and in hot houses. 1 Lb. 15c. 3 Lbs. 25c. 5 Lbs. 40c.

Pulverized Sheep Manure for Lawns and Gardens

Free from weed seeds. Contains nitrogen, phosphoric acid, ammonia and potash in liberal proportions. It also adds humus so essential to the feeding of all plant life. It is also dissolved in water and used as a liquid to nourish all kinds of growing plants. Be sure to give it a trial. 5 Lbs. 30c. 10 Lbs. 50c. 25 Lbs. $1.00. 100 Lbs. $3.00. 500 Lbs. $12.25. 2000 Lbs. (in 100-lb. bags) ton $45.00.

Bolgiano's Bone Lawn Fertilizer

When used on the lawn in early Spring will give a beautiful green lawn all during the entire Summer and Fall. We have had prepared for us this special lawn fertilizer, which is clean of all weed seeds, free from disagreeable odors. It should be sown broadcast early in the Spring or late Fall, 25 pounds to 300 square feet or 2000 pounds to the acre. 5 Lbs. 30c. 10 Lbs. 50c. 25 Lbs. $1.00. 50 Lbs. $2.00. 100 Lbs. $3.25. 500 Lbs. $15.50. 1000 Lbs. $30.00.

Bolgiano's Hydrated Lawn Lime

A generous application of Lime being used two weeks before seeding time will prove beneficial. It can be applied in early Spring or late Fall with the very best results. Sow broadcast 25 pounds to 300 square feet or 2000 pounds to the acre. Price per 5 Lbs. 20c. 10 Lbs. 30c. 25 Lbs. 60c. 50 Lbs. $1.00. 100 Lbs. $1.75. 1000 Lbs. $11.50.

Adco

Artificial manure is made with straw or other vegetable waste mixed with Adco the bacterial food. Is clean and repels flies. Turn your garden waste into real manure. 25-lb. bag, $2.00. 150-lb. bag, $10.50.

Humus

Nature's product for enriching lawns, soil for all kinds of gardening, and for stimulating potted plants. Used in making fine lawns, especially where soil is poor. 50 Lbs. $2.00. 100 Lbs. $3.50. (500 Lbs.), $15.00. (2000 Lbs.), $40.00.

What a difference a few of these magic tablets make!

Picture a plant—struggling gallantly but vainly—in a feeble, fruitless search to find food in soil that contains none. Faded, drooping, flowerless, you call it a failure. But is it?

A few of the magic plant food tablets called Plantabbs would have made this pathetic little plant a big success!

We now sell and recommend Plantabbs. Odorless, clean, easy to use, they're Trojans for work. A forkful of stable manure won't do as much for your plants and flowers as one of these concentrated, odorless white tablets! As they dissolve in water almost instantly, they make a wonderful liquid fertilizer, and when used in this way make the most wornout soil rich and fertile **overnight.**

Plantabbs are so perfectly balanced, so chuck full of growth producing, health giving, energizing plant food, that many florists and professional growers purchase them in quantities for their own use.

To raise potted plants of amazing beauty, to enjoy a gorgeous garden with a profusion of brilliantly colored blooms, to raise tender succulent vegetables, use Plantabbs! Leading horticulturists and State Agricultural Departments approve them—and **we guarantee** to refund your money if they fail to benefit your plants when used according to the instructions which come with each package.

A season's supply for your garden costs only $3.50; other sizes sufficient for potted plants, sell for $1.00, 50c. and 25c per package. Include in your next order.

Guaranteed to improve your plants

Add Beauty to Your Home

All plant life must be fed. Most people have known that for years. It remained for Swift & Company to formulate a plant food, specially and scientifically prepared to furnish proper food for growing plants.

LAWNS—VIGORO gives the lawn a smooth, velvety appearance. Unexcelled for starting new lawns, reviving old ones which are bare, yellow or thin in spots and the feeding of established lawns.

FLOWERS—VIGORO promotes vigorous and abundant buds—colorful and fragrant flowers. Grows hardy and disease resisting plants.

GARDENS—Grows those fresh vegetables that you can get only from your own garden. VIGORO increases the yield, hastens maturity and gives that quality, succulence and flavor which can only be produced in rapidly grown, properly fed vegetables.

SHRUBBERY—VIGORO is the ideal plant food for shrubbery and trees. It grows hardy, luxuriant and full-foliaged shrubs—trees vigorous and full of leaves.

Clean, odorless, free from weed seed, and well balanced, Vigoro is the ideal plantfood. By following the directions in the "Home Beautiful" booklet, copy of which is enclosed in each bag, splendid results can be secured.

For
- Lawns
- Gardens
- Flowers
- Shrubbery
- Trees

VIGORO

Specially prepared plant food

A Swift & Company Product

5-lb. can, 50c **25 lbs. $1.75** **50 lbs. $3.00** **100 lbs. $5.00**

Postage or Freight Extra

Volck is one of the most powerful insecticides known. It is effective on practically all insects on ornamental and flowering plants. Wonderful results have been obtained against red spiders, cyclamen mite, aphis (green fly), scale, mealy bugs, thrips, and caterpillars. Many pests that could not be controlled before are now killed with VOLCK. Even mildews and rusts are prevented and stopped by VOLCK. Not only does VOLCK give effective control of pests, but it also prevents reinfestation for a considerable period. VOLCK is odorless, colorless and non-poisonous. There is no unsightly residue. Plants are deep glistening green after using VOLCK.

VOLCK IS SAFE AND SURE

Tender foliage can be safely sprayed where VOLCK is used. Pests of coleus, cyclamen, evergreens, ferns, orchids and many other types of plants have been successfully controlled. VOLCK is the most effective remedy known for red spider on indoor vegetables. It is used because it is safe and sure.

Convenient Sizes

½ pt. cans	$ .50
1 pt. cans	.75
1 qt. cans	1.00
1 gal. cans	3.00
5 gal. cans	12.00
14 gal. drums	25.00
28 gal. drums	40.00

Cyanogas

GRADE	100 lb. drums	25 lb. tins	5 lb. tins	1 lb. tins
A—Dust	$30.00	$10.00	$3.00	$ .75
G—Fumigant	30.00	10.00	3.00	....

USES

Cyanogas A—Dust to kill ants, rats, mice, moles, grayfish, land crabs, land turtles, wood chucks or ground hogs, prairie dogs, ground squirrels, pocket gophers in Florida, fleas, bed bugs, clothes moths, wax moths, bats, pigeons, sparrows, starlings, yellowjackets, wasps, chinch bugs on lawns, grape leafhopper, grape mealy bugs, melon aphis (box fumigators).

Cyanogas G—Fumigant for greenhouse fumigation, mushroom fumigation, soil fumigation.

* CYANOGAS Calcium Cyanide is a slate-gray material that gives off hydrocyanic acid gas upon exposure to the air. This gas is deadly to the rodent and insect pests and kills them almost immediately. The residue is harmless.

Prices F. O. B. Baltimore. Circulars mailed on request.

Pomodust
For Roses
Prevents Mildew, Blight and Fungus Diseases

No. 4 Dust, Lb. 35c. 5-Lb. package $1.25. 10-Lb. package $2.25.

Black Leaf 40

Florists, greenhouse owners, gardeners and fruit growers always keep this "old reliable" spray on hand to destroy all varieties of aphis, thrips, red bug, psylla and leaf hopper. 1 oz. makes 6 gallons.

Prices

1 oz.	$ .35
½ lb.	1.25
2 lbs.	3.50
10 lbs.	13.50

*** Nico-Fume Paper.** This is a paper treated with nicotine, giving off dense fumes of strong nicotine when ignited. It is also used for tying near blooms of chrysanthemums in early fall to keep down insects. Preferred by many who do not wish to spray or vaporize. Box of 24 sheets, $1.25. Box of 144 sheets, $5.50. Box of 288 sheets, $10.00

Fungtrogen
FUNGICIDE FERTILIZER
TRADE MARK

THE IDEAL SPRAY FOR ROSES AND OTHER PLANTS

Conquers Mildew and Black-Spot. Fertilizes through the Foliage

A highly concentrated fungicide that conquers Mildew and controls Black-Spot on roses and diseases of other plants. It is unique in that it contains an important nitrogenous element—Hortogen—that is readily absorbed by the plant through the foliage, and results in stimulating to amazing vigor, luxuriant foliage, and wonderful blooms. This noted invisible spray has received the endorsement of the world's leading rosarians. With it the amateur can attain results heretofore deemed possible only by professionals. Highly concentrated, making 60 times its volume when diluted with water. ½ pt. 75c. Pt. $1.25. Qt. $2.00. ½ Gal. $3.50. Gal. $6.00.

Insectrogen
TRIPLE SERVICE
FUNGICIDE-INSECTICIDE-FERTILIZER
TRADE MARK

For leaf-chewing insects—caterpillars, slug worms, Japanese beetles, etc., and blights. A powerful fertilizer too. Use alternately with Fungtrogen. Both carry their own spreader.

4 oz. (sample)	$ .60	Qt.	$2.75
½ pt.	1.00	½ gal.	4.50
Pt.	1.75	Gal.	8.00

Ferogen
GROUND DRESSING
SOIL STABILIZER AND FERTILIZER
TRADE MARK

Spring-Summer Ground Dressing and Ground Stabilizer

A valuable plant-food. Reinforces manure fertilizers. Supplies essential chemical elements to the soil.

1 lb. tins	$ .75	5 lb. tins	$2.75
2 lb. tins	1.25	10 lb. tins	4.75

NOTE—A 10-lb. tin of Terogen or Ferogen is sufficient for one application for 30 to 50 rose bushes.

Aphistrogen
APHICIDE FERTILIZER
TRADE MARK

Destroys the destructive aphis in two or three applications. For all plants subject to aphids or plant-lice. Carries the Rosenbluth leaf fertilizer. Splendid for house plants.

2 oz.	$ .50	1 lb. (pint)	$2.25
½ lb. (½ pt.)	1.25	2 lbs. (quart)	3.50
		12 lbs. (1½ gals.)	15.00

Terogen
GROUND DRESSING
FUNGICIDE INSECTICIDE FERTILIZER
TRADE MARK

Autumn-Winter Ground Dressing and Soil Disinfectant

Terogen destroys the spores of fungi of most diseases that have fallen to the ground, as well as the larvae of most insects, including the rose pith borers, rose bugs, aphids and most beetles. Terogen also acts as a valuable fertilizer. Makes sturdy, healthy foliage and prevents chlorosis (yellowing of the leaves). In convenient semi-powdered form.

Pound	$ .75	10 pounds	$4.75
2 pounds	1.25	25 lb. drums	11.00
5 pounds	2.75	100 lb. drums	40.00

All these preparations are indorsed by leading rosarians and by us.
All these sprays are highly concentrated, making 60 times their volume when diluted with water.

Miscellaneous Insecticides and Spraying Material

INSEKTOSPRAY
PATENT APPL'D. FOR
A CONCENTRATED LIQUID
INSECTICIDE
NON-POISONOUS

Keep Your Garden and Field Crops Free From Insects

INSEKTOSPRAY. Fatal to almost every variety of insect. Can be used on plants or animals without danger of injury.

INSEKTOSPRAY is particularly effective against Aphis, Rose-bugs, Potato-bugs, Melon-bugs, Cabbage-flies, Blister-beetles, Stable-flies, Poultry-lice, Ants and Roaches.

1 oz. bottle	(makes	4-6 gal.)	$ .35
½ pt. can	("	30-50 ")	1.75
1 qt. "	("	100-200 ")	6.00
1 gal. "	("	425-800 ")	20.00

PYRETHROL

Especially prepared for use against the Japanese Beetle according to formula of U. S. Dept. of Agriculture.

½ lb.	(makes	2 gal.)	$ .50
2 "	("	9 ")	1.25
10 "	("	46 ")	6.00

Arsenate of Lead (Powder), 1-lb. package **30c.** 4-lb. package **$1.00.** 25-lb. package **$5.00.** 100 lb. package **$17.50.**

Arsenate of Zinc (Powder), 1 lb. **30c.** 4-lb. package **90c.** 100 lb. **$20.00.**

Bordeaux Arsenate (Powder), 1-lb. package **25c.** 4-lb. package **65c.** 25-lb. package **$5.50.** 100-lb. drum **$20.00.**

Bordeaux Mixture (Powder), 1-lb. package **20c.** 4-lb. package **60c.** 100 lbs. **$12.00.**

Blue Stone, 1 lb. **15c.** 25 lbs. **$3.00.** 50 lbs. **$5.00.** 100 lbs. **$9.00.**

Bug Death, 1 lb. **20c.** 3 lb. **40c.** 5 lb. **60c.** 12½ lb. **$1.50.** 100 lb. **$8.75.**

Calcium Arsenate, 1-lb. package **20c.** 4-lb. package **60c.** 25-lb. package **$2.65.** 100-lb. package **$10.00.**

Cut Worm Killer, 1-lb. package **40c.**

Fish Oil Soap, 1-lb. package **30c.**

Powdered Helle Bore, ¼ lb. **15c.** ½ lb. **30c.** 1 lb. **50c.**

Lemon Oil, ½ Pt. **35c.** Pt. **60c.** Qt. **$1.00.** Gal. **$3.00.**

Dry Lime Sulphur, 1-lb. package **30c.** 5-lb. package **$1.15.** 10-lb. package, **$2.00.** 25-lb. package **$3.75.** 50-lb. package **$6.50.** 100-lb. package **$12.00.**

Liquid Lime Sulphur, 1-qt. can **50c.** 1-gal. can **90c.** 5-gal. can **$3.50.** Barrel (about 50 gals.), per gal. **22c.** Bbls. extra at **$2.00** each and returnable at same price, F. O. B. shippers' station before August 1, if returned in good condition.

Wide spreading Garden Duster.
Weight 1 lb.
Postage extra. Price $1.00.

NOTICE

Prices F. O. B. Baltimore. Subject to Change Without Notice. Postage, Freight, Extra.

Paris Green, ¼ lb. **20c.** 1 lb. **50c.** 5-lb. package at **45c.** lb. 14-lb. kits at **40c.** lb.

Para-dichlorobenzene, 1 lb. **50c.** 5 lbs. **40c.** lb. 10 lbs. **35c.** lb. 25-lb. kegs at **30c.** lb. 75-lb. kegs at **28c.** lb. 100-lb. kegs at **26c.** lb. 150-lb. kegs at **25c.** lb.

Pyrox
REG. U. S. PAT. OFF.
TRADE MARK REGISTERED

Use Pyrox especially for potatoes, tomatoes, cucumbers, melons, cabbages, peppers, eggplants, berries, small fruits, shrubs, and flowers. 1-lb. jar **50c.** 5-lb. drum **$1.75.** 10-lb. drum **$3.00.** 25-lb. drum **$6.25.** 50-lb. drum **$10.75.** 100-lb. drum **$15.50.** 300-lb. drum **$43.50.**

MISCIBLE OIL "SOLVINE"

FOR DORMANT SPRAY
Mix 1 Gallon Solvine to 35 Gallons Water

1 gallon can, each	$1.95
Case 1-5 gallon can, each	6.05
Case 2-5 gallon can, each	10.20
20 gallon drum, each	16.80
30 gallon drum, each	24.00
50 gallon drum, each	36.00

All drums equipped with faucets. No charge for drums—drums not returnable. (Prices F. O. B. Baltimore.)

SCALECIDE

1-Qt. can	$ .75	10-Gal. can	$10.60
1-Gal. can	1.75	15-Gal. drum	13.50
5-Gal. can	6.25	50-Gal. barrel	40.00

Hammond Slug Shot, 1 lb. **20c.** 5-lb. package **60c.**

Sulphur "Dritomic." Powdered form possesses same valuable qualities as Atomic Sulphur. Much more convenient to handle. 4-lb. packages **20c.** lb. 100 lbs. or more **15c.** lb.

Flour Sulphur, 1 lb. **10c.** 25 lbs. **$1.25.** 150-lb. bag **$5.25.**

Tree Tanglefoot, 1 lb. **60c.** 5-lb. can **$3.00.**

Tobacco Dust, 1 lb. **10c.** 2 lbs. **15c.** 25 lbs. **$1.25.** 100 lbs. **$4.00.**

Sulpho Tobacco Soap, 3-oz. package **15c.** 8-oz. package **25c.**

Weed Killer, Qt. **65c.** Gal. **$1.75.** 5 Gal. **$7.50.**

ATLAS
NON-POISONOUS
WEED KILLER
PATENTED

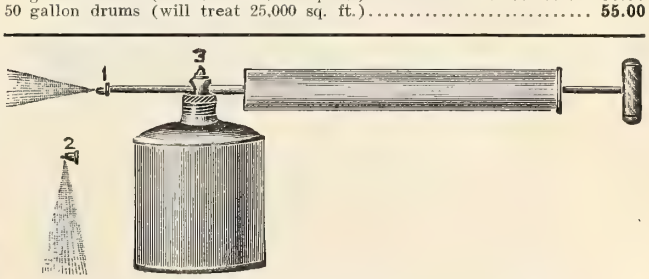
Simply mix with water and apply on any vegetation—weeds, grass, etc., with a sprinkling can or sprayer. Especially recommended for obtaining weed-free driveways, paths, tennis courts and gutters.

DRY SUPER CONCENTRATE—(Mailable)

Small cans (make 2½ gals. of weed killer)	$ .50
Large cans (make 20 gals. of weed killer)	2.00

LIQUID SUPER CONCENTRATE

5 gallon drums (will treat 2,500 sq. ft.)	$8.00
30 gallon drums (will treat 15,000 sq. ft.)	37.50
50 gallon drums (will treat 25,000 sq. ft.)	55.00



The Robertson Compressed Air Sprayers

Works easier. Lasts longer. Gives more powerful spray

Every Robertson Sprayer is tested separately before leaving our factory and guaranteed to work perfectly. All sprayers have brass tubes and fittings.

Standard Size, One Quart

Tin Pump and Container	$1.00
Tin Pump and Galvanized Iron Container	1.25
Brass Pump and Copper Container	2.25

Give your seed the advantage over—
unfavorable weather and costly blighting diseases

WILL damp, wet weather or destructive seed and plant diseases destroy half or more of the crop you have spent so much time and effort planting? Will your crop mature so late that you won't realize the best price for it?

You can minimize this costly uncertainty. There is no need to gamble with seed, soil and labor. Give your seeds a healthy, disease-free start. Help them resist unfavorable weather conditions and blighting diseases by using Du Pont SEMESAN. This remarkable seed and plant disinfectant generally increases germination and produces larger yields of finer crops.

SEMESAN treatments cost only from ¼c to 1c per pound of seed. Easily applied in *either dust or liquid form.* Harmless to the seed germ but deadly to the diseases that rob you of your crops and profits. Notice in the illustration below the difference in yield between the treated field on the left and the untreated field on the right.

SEMESAN is recommended by Government experts, agricultural colleges, county agents and large growers in every section of the country. You should be using this moderate-priced, effective crop protection.

SEMESAN DU PONT
Makes Seeds Healthy

CONTROLS DAMPING-OFF

And many Seed-Borne Diseases of Grains, Field Crops, Vegetables, Forage Crops, Flowers and Ornamentals. Use SEMESAN JR. for Corn and SEMESAN BEL for Potatoes.

PRICES

SEMESAN

2 oz.	$ .50	5 lbs.	$ 13.00
8 oz.	1.60	25 lbs.	62.50
1 lb.	2.75	50 lbs.	122.50
100 lbs.	$240.00		

	SEMESAN JR.	SEMESAN BEL
4 oz.	$ .60	$....
1 lb.	1.75	1.75
5 lbs.	8.00	8.00
25 lbs.	37.50	37.50
50 lbs.	72.50	72.50
100 lbs.	140.00	140.00

Above—SEMESAN-treated; right—untreated

FOR ROSE BUSH DISEASES

Used to control Brown Canker, Black Spot and Mildew, destructive rose bush diseases, Semesan makes a spray which thoroughly wets and spreads over the leaves and branches. Semesan has been especially recommended for this purpose by the American Rose Society. Protect your rose bushes with Semesan.

Send for these free booklets

SPRAYING SCHEDULE

What to Spray.	Diseases and Insects.	Material to Use.	Quantities to Use.	When to Spray.
Apple	San Jose Scale	Lime Sulphur Solution or BTS.	6 gals. to 50 gals of water. 12 lbs. to 50 gals. of water.	During dormant period, late winter or early spring, before foliage begins to grow.
	Bud Moth and Case Bearers.	Arsenate of Lead	Paste form 3 lbs. or powder form 1½ lb. to 50 gals. Lime Sulphur Solution.	Just as the leaf buds are beginning to swell, preparatory to opening.
	Green and Rosy Aphis	Nicotine or Black Leaf 40	⅜ pt. to 50 gals. of water.	Early spring, when leaf buds show green at tips. Can be used in lime sulphur spray, if used cautiously, before leaf buds open.
	Woolly Aphis	Nicotine or Black Leaf 40	½ pt. to 50 gals. of water.	Autumn is usually the best time on roots. Remove soil for several feet. Spray roots thoroughly, also spray infested parts on tops thoroughly.
	Leaf Hopper, Red and Green Bugs.	Nicotine or Black Leaf 40	⅜ pt. to 50 gals. of water.	When the blossoms show pink, and again when the blossoms are about two-thirds gone.
	Scab, Leaf Spot, Cedar Rust, Curculio, Canker Worm.	Lime Sulphur Solution or Bts. and Arsenate of Lead.	1½ gals. Lime Sulphur or 3 lbs. BTS. 2½ lbs. Arsenate of Lead Paste or 1¼ lbs. Powder to 50 gals. of water.	When the cluster buds open and begin to show pink on varieties subject to scab and cedar rust. Atomic Sulphur, 7 lbs. to 50 gals. of water is recommended in place of lime and sulphur.
	Coddling Moth and Scab.	Same as used for Scab Leaf Spot, etc.	Same as used for Scab Leaf Spot, etc.	As soon as the white bloom petals fall. Repeat three weeks later and again about nine weeks after the petals fall.
	Bitter Rot	Bordeaux Mixture and Arsenate of Lead	11 lbs. paste or 4¾ lbs. powder. 2½ lbs. paste or 1¼ lbs. powder to 50 gals. of water.	About nine weeks after the petals fall. Repeat in two weeks and again two weeks later.
	Apple Blotch	Same as Bitter Rot	Same as Bitter Rot	About three weeks after the white petals fall. Just before the calyx closes.
Peach and Plum	San Jose Scale and Peach Leaf Curl.	Lime Sulphur Solution or BTS.	6 gals. or 12 lbs. to 50 gals. water.	From three to six weeks before the trees bloom.
	Terrapin Scale	Scalescide or Miscible Oil	3⅓ gals. to 50 gals. water	Where Terrapin Scale is prevalent, this spray is recommended in place of lime sulphur, as it will control San Jose Scale and Peach Leaf Curl, also.
	Curculio, Scab and Brown Rot. First application	Arsenate of Lead and Lime.	1½ lb. paste or ¾ lbs. powder. 4 lbs. Lime slacked into a milk, to 50 gals. water.	This is used as a dormant spray, about three to six weeks before the trees bloom. On peaches apply ten days after the petals fall. On plums apply as soon as the petals fall.
	Second application	Add Atomic Sulphur to above.	5 lbs. to 50 gals. water.	Three weeks after the first spraying.
	Third application	Same as second	Same as second	One month before the fruit ripens.
Pear and Quince	San Jose Scale, Pear Psylla and Pear Leaf, Blister Mite.	Lime Sulphur or BTS.	6 gals. or 12 lbs. to 50 gals. water.	When the blossom cluster buds begin to separate. If the Psylla and Blister Mite are not present, the application may be made earlier.
	Coddling Moth, Scab, Leaf Spot, etc.	Bordeaux Arsenate of Lead.	5 lbs. powder or 12 lbs. paste to 50 gals. water.	As soon as the petals fall. Repeat three weeks later.
Cherry	Curculio, Slug, Leaf Spot and Brown Rot.	Lime Sulphur or BTS. and Arsenate of Lead.	1¼ gals. or 3 lbs. and 2 lbs. to 50 gals. water.	When the first leaves come out, just before the blossoms open. Repeat as soon as the petals fall. Repeat again two weeks later and again immediately after picking the crop.
Grape	Black Rot, Mildew, Root Worm, Berry Moth, etc.	Bordeaux Lead	6½ lbs powder or 15½ lbs. paste to 50 gals. water.	After the shoots push out, just before blooming. Repeat as soon as the blossoms fall; again two weeks later, and again two weeks later.
Raspberries, Blackberries, Currants and Gooseberries.	Orange Rust, Anthracnose, Cane Blight, Leaf Spot and Leaf Eating Insects.	Cut and burn all diseased plants. Bordeaux Lead	3½ lbs. powder or 15½ lbs. paste to 50 gals. water.	When the foliage comes out, before the blooms open. Repeat as soon as the fruit has set, repeat again in ten days or two weeks.
	Powdery Mildew	Lime Sulphur or BTS. Or Volck, see page 66.	6 gals. or 12 lbs. to 50 gals. water.	When the bushes are dormant, before the buds begin to open. When this disease is troublesome use 1½ gals. Lime Sulphur or 3 lbs. BTS. to 50 gals. water in place of Bordeaux. When spraying for Orange Rust and Anthracnose as directed above.
Potatoes and Tomatoes.	Potato Beetle, Flea Beetle, Blight, etc.	Bordeaux Zinc	6½ lbs. powder or 15½ lbs. paste to 50 gals. water.	As soon as the insects first appear or as soon as the plants are six inches high. If blight is not prevalent use 2 lbs. of Arsenate of Zinc Powder to 50 gals. of water, as this will control beetle more effectively. Repeat this application every ten days or two weeks until the crop matures. Discontinue on tomatoes three weeks before the fruit ripens to avoid danger of poisoning.
Asparagus	Beetle	Arsenate of Zinc	2 lbs. to 50 gals. of water.	Allow a few stalks to grow and branch out. The beetle will collect on these stalks. Spray these stalks once a week until the beetle disappears. The other growth can be kept cut for table or market.
	Rust	Atomic Sulphur	7 lbs. to 50 gals. of water.	Three weeks after cutting is finished. Repeat every three weeks until late fall, then all growth should be cut off and burned.
Celery	Blight or Rust	Bordeaux Mixture	12 lbs. paste or 3½ lbs. powder to 50 gals. water.	Begin spraying before the plants are taken from the seed beds and continue at intervals of ten days throughout the season.
Cabbage, Brussels Sprouts, Cauliflower.	Worms	Arsenate of Lead or Arsenate of Calcium Powder.	1½ lbs. to 2 lbs. to 50 gals. of water.	As soon as the worms appear, and until the plants are half-grown. It is not safe to use poisons after this period, if they have not been controlled at this time use Arsenate of Zinc, 1½ lbs. to 50 gals. water until they disappear.
Cucumber, Cantaloupe and Similar Vine Crops.	Beetle	Slug Shot or Bug Death.	Ready prepared.	As soon as they appear dust with powder gun early in the morning when dew is on the plants. Continue until they disappear.
	Blight	Bordeaux Every 10 Days.		
	Aphis	Black Leaf 40	⅜ pt. to 50 gals. water.	As soon as they appear spray the leaves well on the under side.
Peas, both garden and sweet.	Aphis	Same as above	Same as above	Same as above.
Strawberry	Leaf Spot	Bordeaux	3½ lbs. powder or 8 lbs. paste to 50 gals. of water.	Apply just before blooming. Repeat in about twenty days.
Cotton	Caterpillar	Arsenate of Lead Powder.	2 to 4 lbs. per acre, according to size of plants.	Apply with powder gun early in the morning when plants are wet with dew.
Tobacco	Horn Worm	Arsenate of Lead Powder.	3 to 5 lbs. per acre, according to size of plants.	Apply with powder gun early in the morning when plants are wet with dew.
Shade Trees and Ornamental Shrubs.	Caterpillars and other leaf eating insects. For Blight or Rust use Volck, see page 66.	Arsenate of Lead Powder.	1½ to 2½ lbs. to 50 gals. water.	When they appear and repeat when necessary. When leaf diseases are troublesome add 1½ gals. Lime Sulphur Solution to 50 gals. spray.

HUDSON PERFECTION SPRAYER

The Hudson Perfection Sprayer is a general purpose sprayer which may be used in gardens, orchards, for the removal of old wallpaper and the application of cold water paints, whitewash, etc.

Tank made of copper alloy galvanized or select brass sheets. Capacity approximately 4 gallons. Riveted top, bottom, and side seams and sweat soldered throughout. Fitted with adjustable shoulder strap. Pump is brass, attached to tank by malleable cap. Handle is all malleable "D" type. Nozzle is all brass, automatic in operation and fitted with 12-inch extension rod. Hose ⅜-inch, 5-ply specially treated to withstand the action of chemicals.

Standard package. One in heavy fibre carton. Shipping weight 12 pounds.

No. 110G Perfection, galvanized tank.....Each **$6.00**

No. 110B Perfection, all brass.....Each **9.00**

HUDSON JUNIOR SPRAYER

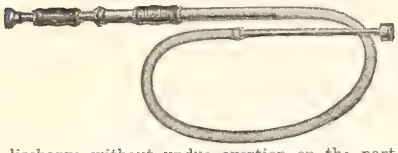
The Hudson Junior Sprayer is ideal for the back yard garden or small truck farm, for use in the dairy barn, chicken house, or hog pen, for disinfectants or exterminating. It may also be used with industrial chemicals, floor oil, etc.

Tank is made of copper alloy galvanized sheets. Riveted and sweat soldered throughout. Capacity approximately 2½ gallons. Shoulder strap adjustable and attaches to the tank with snaps. Pump is seamless brass tubing. Attaches to tank by malleable cap operated by the malleable "D" handle. Nozzle is all brass, automatic in operation and fitted with 12-inch brass extension rod.

Standard package. One in heavy fibre carton. Shipping weight 8½ pounds.

No. 140G Junior, galvanized tank.....Each **$4.50**

HUDSON TROMBONE SPRAYER



The Trombone Sprayer is a high pressure spray pump adapted for orchard, vineyard, and field crop work; for whitewash, disinfectants, spraying stock dip, fly oils, etc., and for fighting fires. It is double acting and continuous, maintaining a steady discharge without undue exertion on the part of the operator. It may be used with any bucket, barrel, or tank. Fitted with all-purpose nozzle which produces any desired spray from a fine fog to a solid stream.

Standard package. One in heavy fibre carton. Shipping weight 3½ pounds.

No. 123 Trombone Sprayer.....Price, each **$4.50**

HUDSON CONTINUOUS SPRAYER

For use with all household or commercial disinfectants and insecticides. Equipped with adjustable nozzle. Produces from a solid stream to the finest mist. All working parts easily accessible for cleaning and inspection. Capacity, one quart.

No. 427 Continuous. Weight 2 lbs. Price each, Tin, **$1.50**, Brass, **$2.00.**

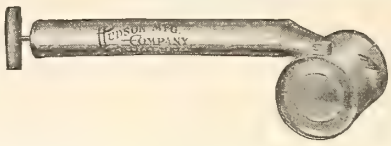
HUDSON MAJOR DUSTER

The Major Duster handles all powder insecticides. May be used in the home, in the garden, on truck plots, and is particularly effective in combating the Bean Beetle.

Powder Reservoir. 2¾ inches in diameter, 5 inches long. Fitted with large filler cap. Discharge equipment—straight nozzle, 12-inch extension, and upshoot nozzle. Pump, 2¾ inches by 9 inches long.

No. 665 Major Duster. Weight 2 lbs.....Price, each **$1.25**

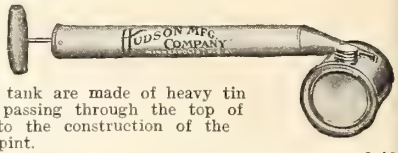
HUDSON MISTY SPRAYER



The Hudson Misty Sprayer is a favorite for use in and around the house, yard, garden, chicken house, etc. Pump is made of heavy tin. Tank is tin with leak-proof seams. Fitted with drip cup and knurled filler cap. The point of the pump passes through the tank and is securely soldered. Capacity, one quart.

No. 452 Misty Sprayer. Weight 2 lbs.....Price, each **$.50**

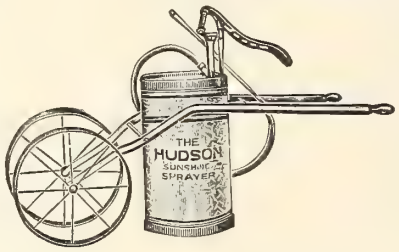
HUDSON MIDGET SPRAYER



The Hudson Midget Sprayer is especially adapted for use in and about the home and will handle all liquid insecticides and disinfectants satisfactorily. Both pump and tank are made of heavy tin with the nose of the pump passing through the top of the tank, adding strength to the construction of the sprayer. Capacity about ¾ pint.

No. 202 Midget Sprayer. Weight 1 lb.....Price, each **$.40**

HUDSON SUNSHINE SPRAYER

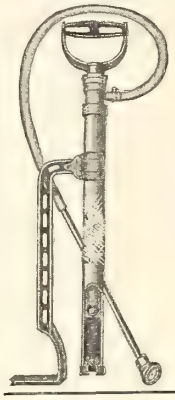


The Hudson Sunshine Sprayer is particularly adapted for the florist, nursery man, or truck gardener. Its width permits operation between narrow rows. Produces a continuous spray with very high pressure. Its easy portability adapts it for work of all kinds. The pump is fitted with agitator to keep solution properly mixed. Tank is of heavy copper bearing galvanized sheet. Capacity, 12½ gallons. Discharge equipment consists of 5 feet of ⅜-inch, 5-ply spray hose, 2-foot iron pipe extension and angle spray nozzle.

Standard package, One in crate. Shipping weight 43 pounds.

No. 36 Sunshine Sprayer.....Price, each **$15.60**

HUDSON MODOC SPRAY PUMP



The Modoc Bucket Pump is used in spraying fruit trees, vines, garden truck, shrubs and hedges, for whitewash and all insecticides and disinfectants; in emergency as a fire pump. It is double acting and continuous, developing a 150-pound nozzle pressure. May be used with any bucket or small tank. Valves and plunger are accessible for cleaning and inspection. Discharge equipment, 3 feet of ⅜-inch 5-ply spray hose, a 12-inch iron extension rod and nozzle with four interchangeable discs which produce any desired spray from the finest fog to a solid stream. All parts except the handle and foot rest are brass.

Standard package, One in heavy fibre carton. Shipping weight 6 pounds.

No. 122 Modoc Spray Pump.....Price, each **$4.00**

Hayes Hand Barrel Spray Pump without Barrel

This pump represents all that is best in hand spray pump construction. Designed with powerful leverage it is easy working and capable of developing 150 lbs. pressure without tiresome pumping. All working parts including cylinder, valves, valve seats, spring expander and strainer are brass or bronze so that no part is subject to the corrosive action of spraying solutions. It is built for continuous service, year after year, with the minimum of attention and repair.

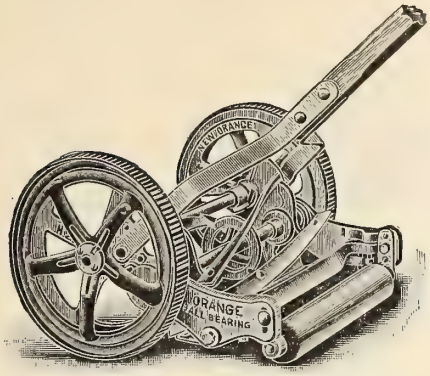
It has a universal plate which allows it to be mounted on either the closed end or side of barrel.

No.	Description	Shipping Weight	Price
1821	Pump No. 182, 2-inch cylinder, 2¼-inch air chamber.	38 Lbs.	**$13.50**

Equipment on 1821. 12½ ft. ½-inch 5-ply spray hose, couplings, clamps and Hayes Disc Nozzle.

All prices on this page F. O. B. Baltimore

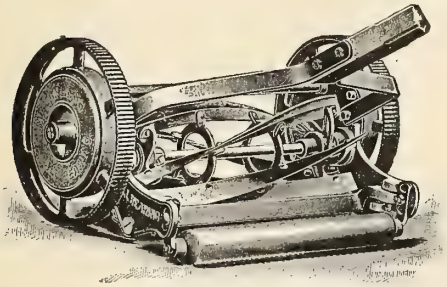
Lawn Mowers



Bolgiano's Orange " Ball Bearing "

The easiest running mower in the world. Many of them still working perfectly after 10 years and more of service. This mower has extra high wheels, 4 blades, is ball bearing, a dandy looking mower.

14 in. blade.....**$15.00** 18 in blade.....**$18.00**
16 in. blade.....**$16.50** 20 in. blade.....**$19.50**

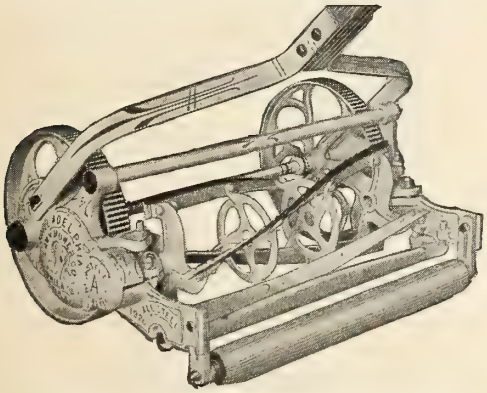


Bolgiano's Matchless Ball Bearing

This mower is slightly heavier than the Orange, with same ball bearing equipment, but has 5 blades and is a popular one on large lawns and especially where grass is very thick and overgrown.

14 in. blade.....**$15.00** 18 in. blade.....**$18.00**
16 in. blade.....**$16.50** 20 in. blade.....**$19.50**

The "PHILADELPHIA" Mower

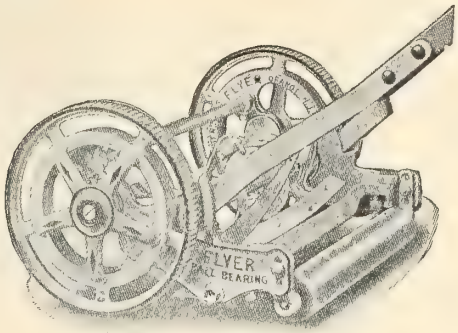


Style "A" All Steel Practicaly Indestructible

All Steel. Cylinder with 4 blades. Driving Wheel, 10 inches. Diameter of Cylinder, 6⅝ inches. Train of 3 Gears on one side. Double Ratchet.

Has self-oiling oil cups and Vanadium Crucible steel blades.

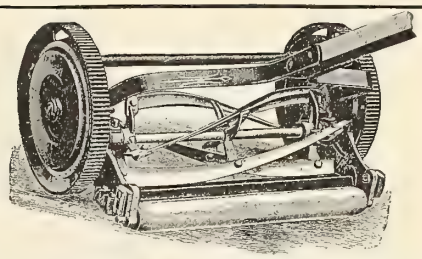
15 in. blade.....**$23.25** 19 in. blade.....**$29.25**
17 in. blade.....**$26.25** 21 in. blade.....**$32.25**



Bolgiano's Flyer Ball Bearing

The Flyer is another easy running ball bearing mower with 4 blades. It is a popular one. We have reports showing 12 years of satisfaction on this mower.

14 in. blade.....**$11.00** 18 in. blade.....**$13.00**
16 in. blade.....**$12.00** 20 in. blade.....**$14.00**



Bolgiano's Crackerjack Ball Bearing

The Crackerjack is a 4 blade ball bearing mower, that has never failed to please. It is built similar to the Matchless, only lighter in weight.

12 in. blade..... **$8.50** 16 in. blade..... **$9.50**
14 in. blade..... **$9.00** 18 in. blade.....**$10.00**

Bolgiano's Leader Ball Bearing Mower

The Leader is our lightest ball bearing mower, has 3 blades. Runs easily and does excellent work. Resembles the Crackerjack, only lighter with lower wheels..

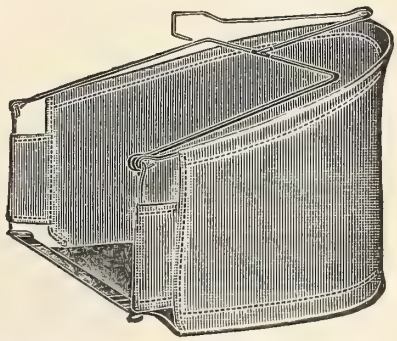
12 in. blade..... **$7.00** 16 in. blade..... **$8.00**
14 in. blade..... **$7.50** 18 in. blade..... **$8.50**

Bolgiano's Druid Hill Park Special Mower

The Druid Hill Park Special, while not ball bearing, is a light running, sturdy little mower that appeals to parties having a small lawn and who want a quality mower at a reasonable cost. It has the general appearance of the Leader and Crackerjack, but has three blades and is not ball bearing.

12 in. blade..... **$5.50** 14 in. blade..... **$6.00**
16 in. blade..... **$6.50**

GRASS CATCHERS

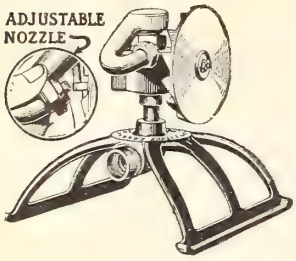


No. 1. **Metal Bottom Catchers.** 16 inches deep, made of heavy duck; heavy galvanized wire frame; adjustable steel hoops. Adjustable to mowers 12 to 16 inches wide, **$1.00.**

No. 2. For mowers 16 to 20 inches wide, **$1.25.**

Mailing weight 5 lbs.

All prices F. O. B. Baltimore



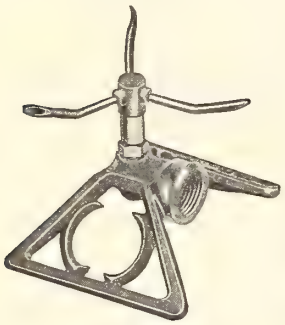
Double Rotary Sprinkler

Next Best to Rain

Covers a circle up to 80 ft. in diameter

The pressure of the water through the nozzle turns the duralium disc at a high rate of speed—which in turn rotates the entire sprinkler head. The wings on the disc break up the stream of water into drops resembling rain. The swing of the rain-like wave, circling around and around, will fascinate you. The thoroughness of its sprinkling will please you. The leading landscape engineers specify the Double Rotary. The finest golf courses use them. People who care for the appearance of their lawns are using the Double Rotary in increasing numbers every year.

Weight 12 lbs. Price **$12.50.**

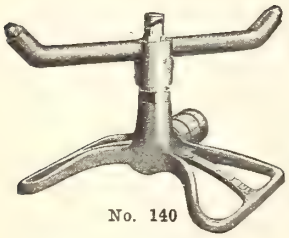


No. 110

Merit Sprinkler

A most popular revolving sprinkler is the Merit which covers a thirty-five foot circle. The rapidly revolving head breaks the stream into an excellent spray. A good sprinkler at a low price.

Shipping weight, 2 lbs. Price **$1.00.**



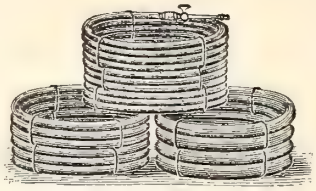
No. 140

Duplex Sprinkler

One of the best sprinklers made. Meets every need of the average lawn. Covers a fifty-foot circle evenly and gently. Then turn the thumb screw one or two turns and it is a fan spray covering a fan-shaped area twenty by fifteen feet. A real piece of sprinkling equipment made so that it will last for years.

Shipping weight, 4 lbs. Price $2.00.

Garden Hose



You Don't Buy Good Hose Often (IT LASTS)

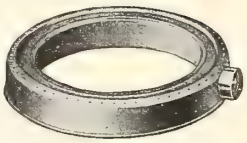
Bolgiano's (Square Deal) Moulded Cord Hose is Non-Kinkable and built for hardest service.

¾ inch 25 ft. lengths complete with couplings	$3.75
¾ inch 50 ft. lengths complete with couplings	7.00
⅝ inch 25 ft. lengths complete with couplings	3.50
⅝ inch 50 ft. lengths complete with couplings	6.50

Prices F. O. B. Baltimore, subject to change without notice.

Solid Brass Sprinklers

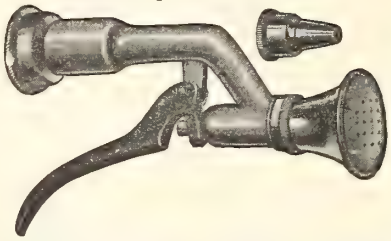
Full Circle weight 1 lb. Price **35c.** Half Circle weight 1 lb. Price **75c.** Postage Extra on all Tools, Implements, etc.



Hose Nozzles

Combination nozzle. A straight stream when open, or a couple of turns will make any desired spray. Price **75c.**

Smith Aquamatic Nozzle



WASTES NO WATER. MADE OF BRASS.

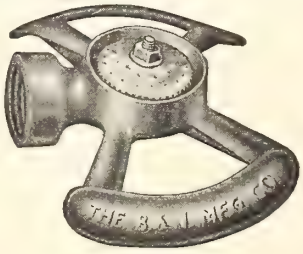
SCREWS ON TO ANY LAWN HOSE COUPLING.

For washing automobiles, windows, buggies, floors, sidewalks and for sprinkling lawns, shrubbery, flower beds. For laying dust in driveways and streets, extinguishing fires and for many other purposes. Price $1.50. Postage extra.

Saucer Spray Sprinkler

Truly the biggest, little sprinkler made. Covers a circle of from thirty to forty feet in diameter with a gentle, even spray. Has two copper sprinkling caps—one for a full circle and one for a half circle. Simple and durable in construction, easy to handle and readily cleaned.

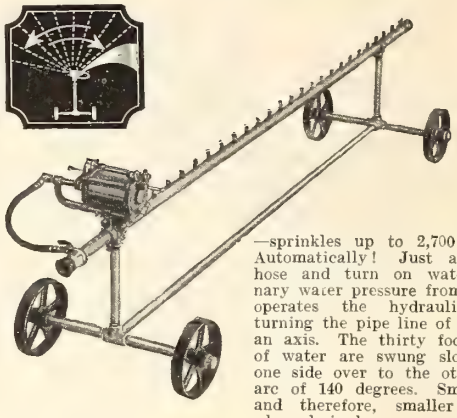
Shipping weight, 1 lb. Price **50c.**



No. 100

MARCH'S AUTOMATIC RAIN-MAKER

(Rain on the Square)



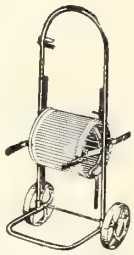
—sprinkles up to 2,700 sq. ft.—Automatically! Just attach the hose and turn on water. Ordinary water pressure from the hose operates the hydraulic motor, turning the pipe line of nozzles as an axis. The thirty foot streams of water are swung slowly from one side over to the other in an arc of 140 degrees. Smaller arc, and therefore, smaller coverage when desired.

A Few Exclusive Advantages of March's Automatic Rain-Makers

1. Sprinkles square areas only.
2. One does more and better work than four ordinary circular sprinklers.
3. Are quickly adjusted for watering smaller areas.
4. Gives absolutely even distribution. Leaves no dry spots or flooded portions.
5. Eliminates sidewalk, driveway, and building watering.
6. Requires practically no attention. Saves your time for other things.

Users everywhere praise MARCH'S RAIN-MAKERS for their efficiency and time saving features. Cities, golf clubs, cemetery associations, and other large users acclaim them for the thoroughness of their work and the huge savings of investment and labor they effect. 3 sizes: 3 ft. length, **$30.00;** 6 ft. length, **$35.00;** 10 ft. length, **$40.00.**

F. O. B. Baltimore

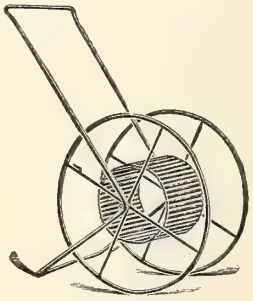


No. 2 Reel

Hose Reels

No. 2. All metal, best tubular steel frame, heavy corrugated galvanized steel drum **$3.25**

Capacity, 100 ft. ¾ inch Hose.



No. 10 Reel

No. 10. Absolutely all metal, tubular steel rims and frames, diameter of rim 21 inches..... **$3.00**

Capacity 150 ft. ¾ inch Hose.

"Little Wonder" Hedge Trimmer

Side Cutting

Top Cutting

The Hand Little Wonder Hedge Trimmer cuts every variety of hedge grown, 5 to 10 times as fast as by hand.

Cuts more evenly as well as more quickly.

Weighs only 10 to 16 pounds, according to the attachments used.

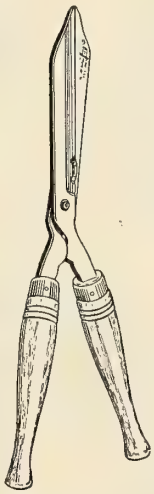
Saves you money every time it trims a hedge. The more hedge, the bigger the saving.

PRICES	Hand driven	Electric
30-inch size, Hedge Trimmer	$25.00	$103.00
40-inch size, Hedge Trimmer	27.50	106.50
60-inch size, Hedge Trimmer	35.00	114.00
Side Cutting Carriage for Hedge Trimmers		4.50
Weed Clipper Attachment for Hedge Trimmers		18.00
30-inch size, Lawn Weed Clipper, complete		35.00
40-inch size, Lawn Weed Clipper, complete		40.00

Complete catalog on request.

Forged Steel Warranted Hedge Shears

This line of shears will hold an edge that makes hedge trimming a pleasure rather than a task. Most users report several years of hard usage without any sharpening. The notched shear is found very handy for cutting old wood, up to one inch in diameter.



7-inch	$1.50
8-inch	2.00
9-inch	2.25
10-inch	2.50

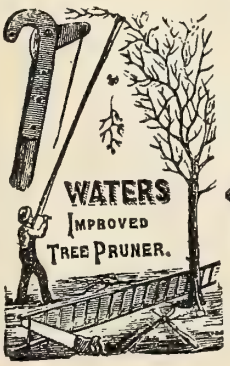
With notch, 25c extra.
12-inch with notch only . $3.00
Mailing weight, 6 lbs. each.

DON'T FORGET POSTAGE OR EXPRESSAGE EXTRA ON ALL TOOLS AND IMPLEMENTS.

Waters' Tree Pruner

The Favorite of Long Handle Pruners

6 ft. long	$1.60
8 ft. long	1.75
10 ft. long	2.00
12 ft. long	2.25
Extra blades	.25



Pruning Shears

Parcel Post Extra, see Page 95
All Prices Subject to Change without Notice

No. 50. 8-in.	$ .90
No. R-50. 9-in.	1.10
No. 60., 9-in.	1.25
No. R-60. 9-in.	1.40
No. R-70, 9-in.	1.60
No. R-165. 9-in., Nickel Plated	2.25
No. R-85. 9-in., full polished	2.50
No. 14. 6-in., Ladies' Nickeled	1.50
No. 140. 6-in., Ladies' not polished	.60

Mailing weight, 2 lbs. each.

Pruning Saws Best Made

No. 4. 16 in. double	$1.90
No. 4. 18 in. double	2.00
No. 4. 20 in. double	2.10
No. 16. 14 in. bow adjustable blade	2.35

Mailing weight 3 lbs.

No. 15 Long Handle Pruning Shears

22 in. Handles
28 in. Overall

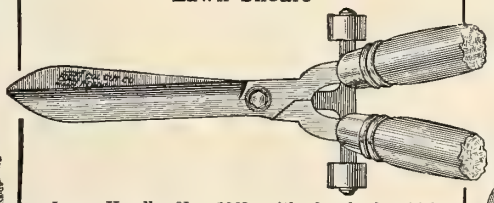
So shaped that it will work in small spaces among branches. Light weight, but strong enough for the heavy work. Both blade and hook are hardened and tempered steel forgings. Large bolt and nut with nut lock. Shanks of the forgings are hardened so that they cannot bend. Best grade Ash handles.

Mailing weight 5 lbs.
Price, **$2.25** pair.

Sickles

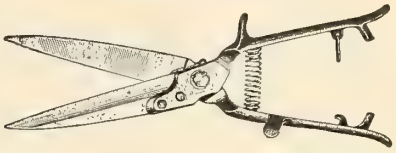
No. 3. Trowell Shank forged from bar tool steel. Upper side full polished. Turned maple handle. Price 50c.
No. 33. Same style as No. 3. Made of heavier material. Price 75c.
Mailing weight 2 lbs.

Lawn Shears



Long Handle No. 1062 with 2 wheels, 36-in. handles. Forged tool steel blades. No back bending $4.00
Mailing weight 10 lbs.

Grass Shears



A new practical Shear for Trimming Grass, Light Vines, Bushes, etc. Blades are high quality Shear Blade Steel.

Length over all, inches	12½
Length Blades, inches	6

Mailing weight 2 lbs.
Price **$1.00.**

Grass Shears

No. 530. Special	50c
No. 267X. Extra full polished blades and Bow. Tempered. Size 5½ inches	65c
No. 0267. Polished blades, shanks and bow. Trowel shanks. Our most popular grass shear. Size 5½ inches	75c

Mailing weight, 1 lb.

Ball Bearing Grass Shears

A shear that allows the hand to be held in the easiest and most natural position possible. It doesn't tire the hand, and it cuts like a razor. Price each, **$2.00.**
Mailing weight, 1 lb.

Turf or Edging Knife

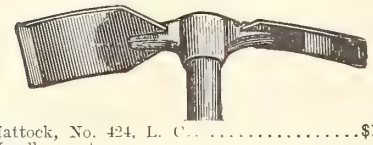
For trimming edges of paths, drives, flower beds and borders.
Half-Moon Shape, T-E, weight, 5 lbs. **$1.25**

No. 2

Planet Jr. Edger
Weight 3¼ lbs.
Price $1.75

Evidence of care and extreme neatness are the great secrets of attractiveness in grounds surrounding the house. The Planet Jr. Grass Edger will edge either straight or curved work, paths, drives, open borders or flower beds, rapidly and beautifully.

Mattocks, Heavy Steel

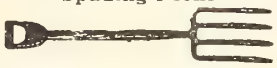


Mattock, No. 424, L. C. $1.25
Handles, extra 40c
M. H. 3, Mattock Hoe, light, complete.... 1.00
Mailing weight, 6 lbs.

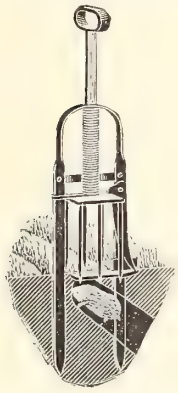
Ladies (or) Floral Sets

Shovel, Hoe and Rake, 3 F. S.....$2.00
Mailing weight, 10 lbs.

Spading Forks



Union "D" Handle, 4-prong, Z. S. A. L. D.$1.50
Union "D" Handle, 4-prong, Y. S. A. L. D. 2.00
Union "D" Handle, 5-prong, S. 5 A. D.... 2.50
Mailing weight, 6 lbs.



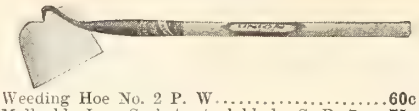
Steel Mole Traps

will catch the moles in your Garden or Lawn.

$1.00 Each.

Mailing Weight, 3 lbs.

Steel Hoes



Weeding Hoe No. 2 P. W.....60c
Malleable Iron Socket, steel blade, S. R. 7....75c
Sockets, Y. S. G. 6½.....$1.20
Sockets, Y. S. G. 7½..... 1.25
Faultless, F. S. 7..... 1.50
Sprouting Hoe, H. G. 6-0..... 1.00
Mailing weight, 3 lbs.

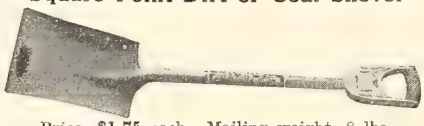
Spades

D Handle, No. 2, polished..... 1.75
No. 452. Long Handle Spade..... 1.80
Mailing weight, 8 lbs.

Shovels

Long Handle Shovel, No. 2, polished.....$1.80
D Handle, No. 3, polished round point..... 2.00
Hollow Back Schoop Shovel, No. 2..... 1.75
Mailing weight, 8 lbs.

Square Point Dirt or Coal Shovel



Price, **$1.75** each. Mailing weight, 8 lbs.

Bush Hooks

Absolutely the best steel Bush Hook made, fully guaranteed. Price **$1.75.** Mailing weight, 6 lbs.

No. 300 Short Handle Spading Fork. Each **50c.**

No. 400 Short Handle Spading Fork. Each **40c.**

Scythes

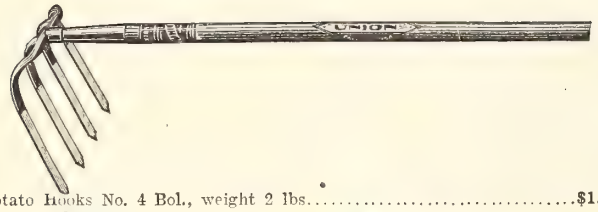
English Steel Waldron Grass, 34 inch.....$2.50
Silver Steel Waldron Grass, 30, 32 and 34 in. 1.60
One Piece Grass Scythe Briar Edge 30, 32 and 34 in..... 1.25
One Piece Weed Scythe Briar Edge 18-22 in. 1.25
Bush Scythe, No. 50, 18 and 22 inch..... 1.50
Mailing weight, 5 lbs.

Snaths

Scythe Handles with Loop Bolts.....$1.75
Mailing weight, 3 lbs.

Carborundum Scythe Stones

Carborundum, No. 190. 10¼ in. long, 1 in. wide 25c
Carborundum, No. 191. 12¼ in. long, 1¼ in. wide 30c
Mailing weight, 2 lbs.

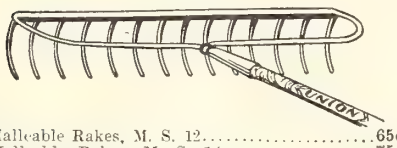


Potato Hooks No. 4 Bol., weight 2 lbs.....$1.25

Manure Forks

First quality steel, Y. S. 44½, 4-tine. Mailing weight, 4 lbs.....$1.35

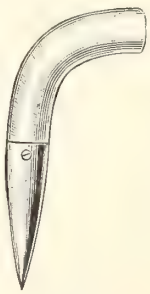
Rakes



Malleable Rakes, M. S. 12.....65c
Malleable Rakes, M. S. 14.....75c
Steel Rake, high grade, bent tooth, B. 12..$1.25
Steel Rake, high grade, bent tooth, B. 14.. 1.45
Olsen wooden Rake (4 lbs.)..... 1.00
Lawn queen wire Rake (5 lbs.).....90c

Gardeners' Trowels

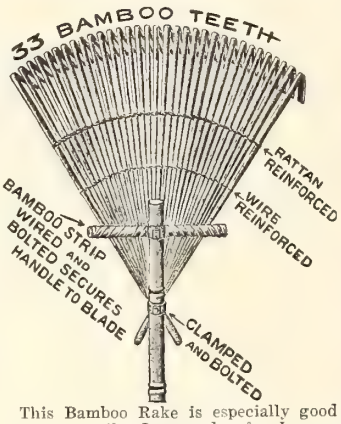
No. 1. 6-inch steel—one piece..... 15c
No. 2. 6-inch riveted shank..... 30c
No. 10. Extra heavy solid steel. Riveted shank—6-inch blade.... 40c
No. 100. Florist's Trowel. Extra heavy. Cold-rolled steel. One piece 50c
D. S. T. High-grade English steel. Socket Trowel $1.00
No. 15 Rolled Steel 5½-inch Transplanting Trowel 25c
Mailing Weight 1 lb. each.



Dibbles

Brass Point.. 90c
Steel Point.. 75c
Weight 1 lb.

Don't Forget Postage on all Tools.

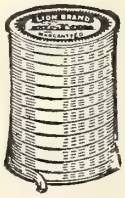


This Bamboo Rake is especially good for use on the Lawn, also for Leaves, very easy to handle. Weight 2 lbs. **75c.**

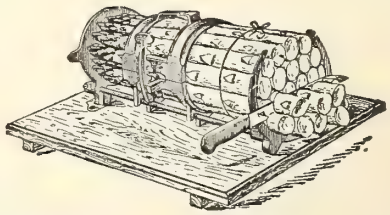
RAFFIA

Raffia for tying asparagus, also used extensively for tying plants, furnished in platted hanks weighing about 2½ pounds each.
Price: 1 lb. 40c
5 lbs., per lb.....35c
25 lbs. or more, per lb.30c
Postage Extra.

TAPE for tying Celery and Asparagus Color Fast Red



Will make your products sell for much higher prices.
Spools containing 1000 Yards
No. 1, width $\frac{5}{16}$ inch ...$2.50
No. 2, width $\frac{3}{16}$ inch ...$1.75
Weight 2 lbs. to spool.
Postage Extra.

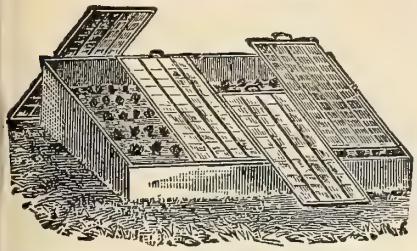


Asparagus Buncher $4.50
Mailing weight, 6 lbs.

Asparagus Knives Made of Solid Steel

No. 2500. Fish Tail 40c
Mailing weight, 1 lb.

Unglazed Hot Bed Sash



Grooved. Makes a good airtight sash by just sliding the glass in. No putty required.
3 ft. 2 in. x 6 ft. To hold 28 lights.
$2.25 each. 10 at $1.90 each. 20 at $1.75.

Hot Bed Glass

8 x 10 in., 90 lights in box. Price.....$3.00
5 boxes or more, per box..... 2.75

Burlap Hot Bed Mats

Made of strong Burlap, interlined with wool.
Size 40. 76 in. Single Sash.....$2.00
Mailing weight 10 lbs.
Size 76 x 76 inch. Double Sash.....$3.25
Mailing weight, 20 lbs. Prices subject to change.

Peerless Glazing Points

Will stop your glass from sliding.
Price per 1,000 (Weight 2 lbs., per 1,000)..75c

Grafting Wax

¼ Lb....20c ½ Lb....30c 1 Lb....50c

Mastica

For glazing greenhouse or sash, new or old. It is elastic, adhesive and easily applied. It is not affected by dampness. Gal. $2.25.
Mailing weight 8 lbs. per Gal.

Earthen Flower Pots

We carry a full line of sizes at all times.

Size	Each	Doz.
3½ in. ..	6c	$ .40
4 in. ...	6c	.45
5 in. ...	8c	.85
6 in. ...	11c	1.25
7 in. ...	18c	2.00
8 in. ...	28c	3.00
9 in. ...	40c	4.00
10 in. ...	55c	5.50
12 in. ...	1.00	10.00

Size	Each	Doz.
2 in.	3c	$ .20
2½ in. ..	4c	.25
3 in.	5c	.30

Earthenware cannot be packed for shipment by Parcel Post.

Packing charges extra on Earthen Flower Pots, Earthenware Saucers, Earthen Fern or Bulb Pans. Minimum charge 25c. 50c per 100 up to size 6-inch. $1.00 per 100 size 6-inch and up.

Earthenware Saucers

Size	Each	Doz.	Size	Each	Doz.
4 in.	4c	$ .40	8 in. ...	12c	$1.25
5 in.	5c	.50	9 in. ...	15c	1.50
6 in.	7c	.75	10 in. ...	18c	1.75
7 in.	9c	1.00	12 in. ...	30c	3.00

Earthen Fern or Bulb Pans

Size	Each	Doz.	Size	Each	Doz.
5 in.	9c	$ .90	8 in. ...	28c	$2.90
6 in.	12c	1.25	9 in. ...	38c	3.70
7 in.	18c	2.00	10 in. ...	56c	5.50

Neponset Flower Pots

Bird's *Improved* Neponset Flower Pots retain the moisture. These pots are most satisfactory for growing, shipping and transplanting of seedlings or plants.

Quantity per case	Weight	Prices Doz.	100	1000
1000	2½ inch Pots, 16 Pounds..	$ .15	$ .60	$4.50
1000	3 " " 24 " ..	.20	.75	6.00
1000	3½ " " 34 " ..	.25	1.00	7.50
500	4 " " 23 " ..	.30	1.50	9.00
500	5 " " 37 " ..	.50	2.00	14.00
500	6 " " 51 " ..	.60	2.50	19.00

Galvanized Iron Water Pots

4 qts.	$ .70	10 qts.	$1.10
6 qts.	.80	12 qts.	1.25
8 qts.	.90	16 qts.	1.50

Mailing weight

4 qt. 2 lbs. 6 qt. 3 lbs. 8 qt. 4 lbs.
10 qt. 4 lbs. 12 qt. 4 lbs. 16 qt. 5 lbs.

BAMBOO PLANT STAKES

Owing to the high cost of the wooden stake, the Bamboo or Cane Stake is being used most exclusively, and with great satisfaction in its stead. We have listed below an assortment that will fill your every need.

Light Plant Stakes for Greenhouse work and small outdoor plants.

	Height	Doz.	100	1,000
Cane Stakes dyed Green.....	18 in.	$ .15	$ .65	$4.50
Cane Stakes dyed Green.....	2 ft.	.20	.75	5.00
Cane Stakes dyed Green.....	2½ ft.	.25	.90	6.00
Cane Stakes dyed Green.....	3 ft.	.30	1.10	7.00
Cane Stakes dyed Green.....	3½ ft.	.35	1.30	8.00
Cane Stakes dyed Green.....	4 ft.	.40	1.50	9.50
Cane Stakes dyed Green.....	5 ft.	.45	2.15	11.00
Natural Color	6 ft.	.50	2.35	14.00

Heavy Bamboo Cane Stakes for Dahlias and heavy outdoor plants.

	Height	Diameter	Doz.	100	1,000
Natural Color	4 ft.	⅝ in.	$ .75	$4.00	$35.00
Natural Color	5 ft.	¾ in.	1.00	7.00	45.00
Natural Color	6 ft.	¾ in.	1.30	8.00	55.00
Natural Color	8 ft.	¾ in.	1.50	9.00	70.00

Pot Labels

	100	500	1,000
4 in., plain.....	$ .20	$ .80	$1.50
4½ in., plain.....	.25	.90	1.75
5 in., plain.....	.30	1.00	1.90
6 in., plain.....	.35	1.25	2.40
8 in., plain.....	.75	3.25	6.00
12 in., plain.....	1.20	5.25	10.00

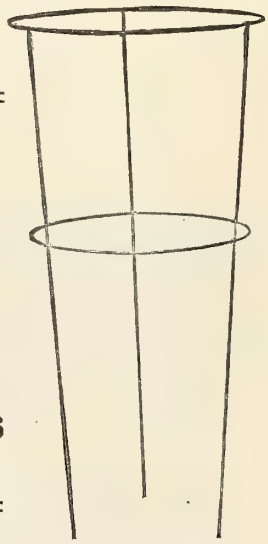
Tree Labels

	100	500	1.000
3½ in., plain, copper wired..	30c	$1.20	$2.30

No.	Heighth	Dis. top	Weight each	Price each
8	30-in.	14-in.	2 lbs.	30c
6	30-in.	18-in.	3 lbs.	40c
6 extra heavy	30-in.	24-in.	4 lbs.	70c

These Peony and Tomato Supports are strong enough to hold the weight that is developed as the plant grows.
They can be used with a great variety of plants and flowers.

Peony and Tomato Supports



No. 6 and No. 8 Gauge Galvanized Wire

MAKE MORE PROFIT!

This Amazing New Method Gets Your Crop to Market Earlier

Germaco Hotkaps can make you *extra* dollars this season. They protect plants from *frost*, wind, rain, insects and ground crusting. Thus they produce hardier, *quicker* crops. You get higher prices!

Thousands were used in 48 states last year. They cost so little that growers cannot afford to be without them.

Price per 100, $1.50
Price per roll (1000 Kaps), $11.50
5000 Kaps, per thousand, $11.00
Write for free pamphlet or order today.

Germaco Hotkap Setters, a labor saving device for setting Hotkaps accurately and quickly into the ground. Price $2.25 each. Hotkap Carriers $2.75 each.

Postage or Express Extra.

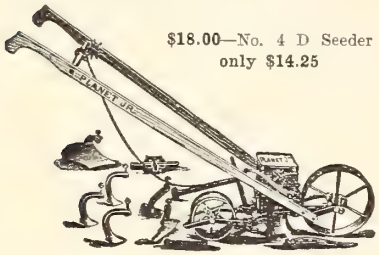
Germāco
Hotkaps
New Method of Plant Protection

Planet Jr. Garden Tools

Biggest Savers for Farm and Garden
72-Page Planet Jr. Catalog Free. Describes 70 tools, including Seeders, Wheel Hoes, Horse Hoes, Harrows. **Write Postal for it.**

Why worry along with slow, out-of-date implements and meagre results? Planet Jr. tools are far more economical—they do 3 to 6 times the work get bigger, better crops, and outlast several ordinary implements. **Fully guaranteed.** You are actually losing money whenever you cultivate without them.

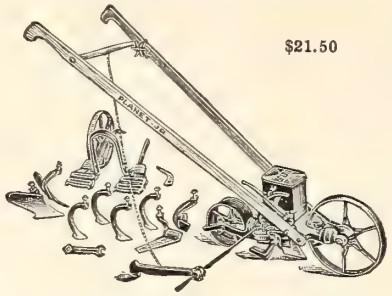
No. 4 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow



$18.00—No. 4 D Seeder only **$14.25**

Soon pays for itself in the family garden as well as in the larger acreage. Sows all garden seeds (in drills or in hills), plows, opens furrows and covers them, hoes and cultivates quickly and easily.

No. 25 Planet Jr. Hill and Drill Seeder, Double and Single Wheel Hoe



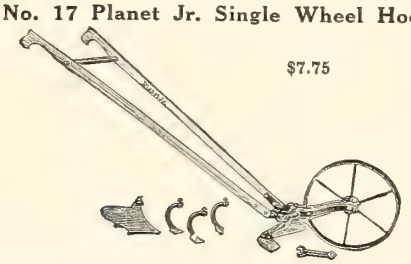
$21.50

A splendid combination for the family garden, onion grower, or large gardener. It is a perfect seeder, and combined double and single wheel hoe.

Planet Jr. No. 3 Hill and Drill Seeder

This Seeder sows evenly in drills and also drops in hills 4, 6, 8, 12 or 24 inches apart. It is thrown out of gear instantly by moving a convenient lever or the flow of seed is stopped by pushing down the feed rod. No time is lost, no seed is wasted. Holds 3 quarts. Price, **$17.50**.

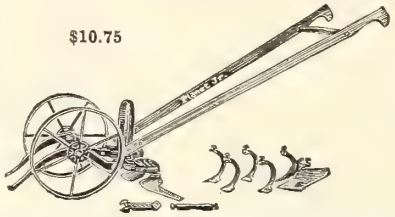
No. 17 Planet Jr. Single Wheel Hoe



$7.75

The highest type of Single Wheel Hoe made. Light, but strong, and can be used by man, woman or boy. Will do all the cultivation in your garden in the easiest, quickest and best way.

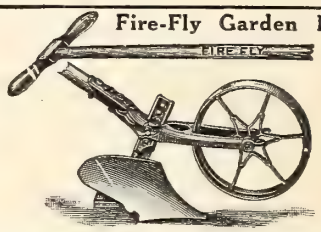
No. 12 Planet Jr. Double and Single Wheel Hoe



$10.75

A single and double wheel hoe in one. Straddles crops till 20 inches high, then works between. Has steel frames and 14-inch steel wheels. The greatest hand-cultivating tool in the world.

Fire-Fly Garden Plow



It will throw a furrow of 4 to 6 inches wide and 1 to 3 inches deep. It opens furrows for manure or seeds and covers them, and opens up rows for all kinds of plant setting.

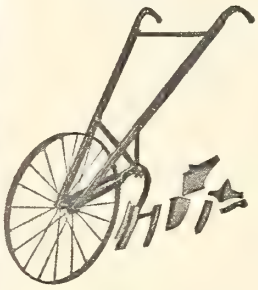
Chicken raisers find it of great advantage in plowing up their scratching yards.

Packed weight, 14 pounds
$4.25

Hoffman Jr. Fertilizer Distributor
For Lawn and Garden Service

All metal construction.
Sturdy but light. Weight only 60 lbs.
Unbreakable, four bar wrought steel force feed.
Ratchet driven shaft. Automatically thrown out of gear.
Feed adjustment—¼ lb. up to 12 lbs. per sq. yds. sowing range.
Single and double row sowing attachment.
Strong, light wheels accurately figured for efficient sowing.
Sheet metal hopper nicely proportioned to be of neat appearance and to give the proper balance for ease in operation and efficient sowing.
Just right in width to permit close work along walks, hedges, borders and yet is sufficiently wide to permit plenty of speed in the open. Width over all 42 inches. Covers about 36 inches. Capacity 100 lbs. Price, **$26 50** F. O. B Baltimore.

The No. 19-C "Iron Age" Wheel Plow and Cultivator



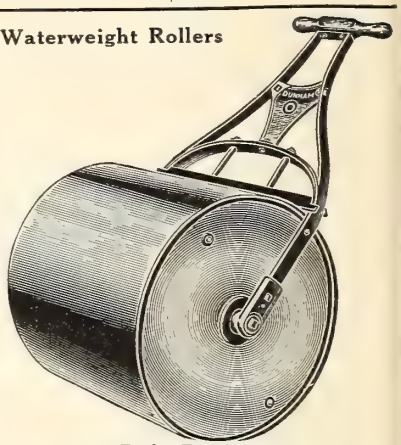
Consists of plow, rake, scuffle hoe, 2 cultivator teeth.

Price
$4.50
F. O. B. Baltimore

Planet Jr. Star Pulverizer, Weeder and Cultivator

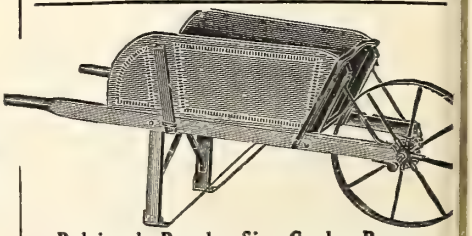
Price, **$3.50.**

Waterweight Rollers



Plain Bearings

No.	Diam. ins.	Length ins.	Sections	Weight empty	With Water	Price each
2	14	24	1	68 lbs.	175 lbs.	$12.00
4	18	24	1	82 lbs.	265 lbs.	14.00
Roller Bearings						
5	18	24	1	85 lbs.	265 lbs.	$17.00
7	24	24	1	110 lbs.	420 lbs.	20.00
9	24	32	1	130 lbs.	565 lbs.	23.00



Bolgiano's Popular Size Garden Barrow

Bed, length inside 28 in., width 20½ in. at handle, 16½ in. at wheel. Floor boards run lengthwise to prevent warping.
Side boards, 11½ in. high.
Handles 1½ x 2⅛ x 4 ft. 8 in.
Wheel 1½ x ¼ in., tire 20 in. diam.
Painted red, striped and varnished.
Price $5.50.

Bolgiano's Self Watering Window Boxes

(Endurable, Attractive)

These boxes satisfy every purchaser equally as well as those they have been formerly buying at much Higher Prices.

These boxes are strongly made of heavy galvanized iron, equipped with a protruding water supply spout that leads into an underground trench, thus making available a ready supply of water direct to the roots of your plants. Boxes painted attractive green.

Length Inches	Width at Top Inches	Width at Bottom Inches	Height Inches	Mailing Weight Pounds	Prices
20	8½	6¼	7¼	5	$1.25
24	8½	6¼	7¼	6	1.50
30	8½	6¼	7¼	7	2.00
36	8½	6¼	7¼	8	2.50

F. O. B. Baltimore. Shipment Freight or Express

Red Rubber Plant Sprinklers

Just the thing to get up under the foliage of the plant and sprinkle it where it is mostly neglected.

10 ounce bent.....**$1.25** each

Mailing weight 1 lb.

Bolgiano's Bird Houses Will Keep Your Birds at Home

WREN HOUSES—5 STYLES

Log Cabin, No. 11; Tepee, No. 12; Shack, No. 13; Bungalo, No. 61 and Slab, No. 23. **$1.75 each**; any three for **$5.00.** Add postage. Weight 4 pounds each.

COMBINATION WREN AND ROBIN HOUSE

No. 63. Wren with Robin pulpit. **$2.00.** Weight 5 pounds. Postage extra.

BRACKET WREN HOUSE, No. 17

"Jennie's Choice." Weight 3 pounds. **$1.50.** Postage extra.

HANGING BARREL WREN HOUSE, No. 50

English Sparrows do not trouble this swinging house. Price **$1.50.** Weight 3 pounds. Postage extra.

SWINGING HOUSE, No. 14

Suitable for either Wren or Blue Bird. Interchangeable. Price **$2.00.** Weight 4 pounds. Postage extra.

All Birds Prefer RUSTIC HOUSES

Price: 3 for **$5.00** and Parcel Post Weight of 3-9 pounds.

BLUE BIRD HOUSES—2 STYLES

No. 21 and No. 62. **$1.65** each. Add postage. Weight 4 pounds each.

WOODPECKER HOUSES

No. 25. **$1.65.** Weight 4 pounds. Postage extra.

ROBIN HOUSE, No. 60

$1.65. Weight 4 pounds. Postage extra.

Cedar Plant Tubs Durable and Attractive

(F. O. B. Baltimore)

New York Style

Heavy flat steel straps, feet and handles, body green, trimmings black.

No.	Top	Depth	Weight	Price
2	13 in.	12½ in.	13 lbs.	$3.00
3	14½ in.	14¾ in.	15 lbs.	3.75
3½	16½ in.	15¾ in.	18 lbs.	5.00
4	19½ in.	16½ in.	21 lbs.	5.50

Richmond Style

Galv. wire hoops, handles on all sizes except No. 5. Color all green.

No.	Top	Depth	Weight	Price
5	10 in.	9 in.	4 lbs.	$ .85
7	12 in.	11 in.	6 lbs.	1.40
9	14 in.	13 in.	8 lbs.	2.00
11	16 in.	15 in.	10 lbs.	2.50

VALUABLE BOOKS ON THE FARM AND GARDEN

GARDEN GUIDE

Tells how to plan, plant and maintain the home grounds, the suburban garden, the city lot; how to grow good vegetables and fruit; how to care for roses and other favorite flowers, hardy plants, trees, shrubs, lawns, porch plants and window boxes. Chapters on garden furniture and accessories, with useful rules and receipts, selected lists of plants, etc.

Handsome four-color cover. 384 pages. 15 Planting Plans. 275 teaching illustrations. Price: Paper bound, **$1.00** (**$1.10** postpaid). Cloth bound, **$1.50** (**$1.65** postpaid).

HOME FRUIT GROWER

A practical guide to the growing of fruit for home use. It covers the entire subject of growth, cultivation, pruning and grafting. Illustrated with teaching pictures. Beautiful cover in four colors. Very valuable. Paper bound, **$1.00** (**$1.10** postpaid). Cloth bound, **$1.50** (**$1.65** postpaid).

MILADY'S HOUSE PLANTS

To all women taking pleasure in the companionship of plants in the home and wishing to be made acquainted with the conditions essential to their well being, this instructive book, concisely written and easily understood, will make a strong appeal. 100 illustrations. 4 color cover. The chapter on "Sun Parlors as Plant Rooms" is a new departure. The subject is gone into minutely and this one chapter alone is worth many times the price asked for the book. Paper bound, **$1.00** (**$1.10** postpaid). Cloth bound, **$1.25** (**$1.35** postpaid).

PLANT PROPAGATION

Second Edition Revised and Greatly Enlarged

This book is written to instruct the florist and gardener in knowing just how to propagate the plants he expects to grow without the necessity of consulting more voluminous or expensive works. Copiously illustrated with instructions readily understood. It makes clearer a thousand little points which the old edition touched upon. Cloth bound, **$2.00** (postpaid **$2.15**).

COMMERCIAL ROSE CULTURE

By Eber Holmes

This book embraces the growing of roses under glass and outdoors There will be found no better guide to their successful culture than this edition which contains 165 pages. Heavily illustrated, size 7¼ inches x 5 inches. Price **$2.00** (postpaid **$2.15**).

A LITTLE BOOK OF ANNUALS

By Alfred C. Hottes

This Little Book of Annuals has been written for the increasing throng of amateurs who grow flowers for the love of them. It is a reliable guide through the season of annual bloom. A handsome, carefully written, thoroughly edited, freely illustrated, accurately indexed book of 128 pages.

Paper cover, $1.00 (postpaid $1.10); cloth binding, $1.50 (postpaid $1.60).

A LITTLE BOOK OF PERENNIALS

By Alfred Hottes

For the amateur and professional. Companion book to the Little Book of Annuals. Devoted to the general principles of growing, using, selecting and propagating perennials. Illustrated.

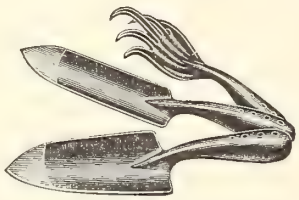
Paper bound, $1.00 ($1.10 postpaid). Cloth bound, $1.50 ($1.60 postpaid).

RID-O-WEED

This tool was made with one object in view—to rid the lawn of deep-rooted weeds as dandelions, dock, etc., without the usual bending over and sore back, knees and fingers. Push RID-O-WEED in and pull the weed out—that's how simple it is. Efficient, easy to work, will last forever, reasonable in price.

Shipping weight 3 lbs. **Price $1.00.**

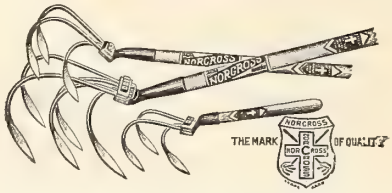
GARDEN SET



Set of Three Tools: Trowel, Transplanting Trowel and Weeder. All made of heavy pressed steel, handsomely finished.

Packed in paper carton. Shipping weight 2 lbs. Per set **75c.**

" NORCROSS " Cultivator Hoes and Weeders



Will cultivate closer to plants without injuring them than any other type of implement known, leaving the soil level, loose and untrampled. The sharp, tapering shovels enter the ground easily and are so arranged, one with another, as to literally tear up every inch of the soil, from one to five inches deep, as required. Detachable steel prongs, malleable head, extra high grade handles, finely finished throughout. Three sizes, suited to both men and women, and the average cost is only that of a common hoe.

Three Sizes and Prices

5-prong, 4 ft. handle, weight 3 lbs.	**$1.15**
3-prong, 4 ft. handle, weight 2 lbs.	**.85**
" Midget," 9-inch handle, weight 12 ozs.	**.50**

The OUT-U-KUM Weed Puller Does the Trick

It differs from all other weed pullers, most of which either cut the root or grip the weed above the ground, often breaking it off above the root.

The OUT-U-KUM slips down into the soil alongside the weed, loosening the soil on that side as it goes down.

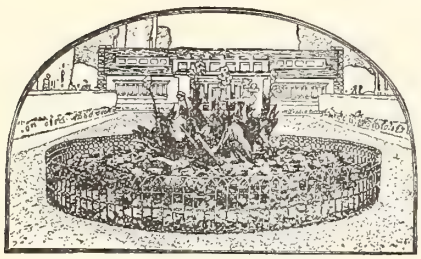
It then crosses under the root, disengaging it—and is drawn up the opposite side of the weed, loosening the earth on that side and engages the head of the weed above the ground.

The now thoroughly loosened weed is easily withdrawn, root and all, with little or no clinging soil and leaving a very small hole in the lawn.

Especially effective in dandelions.

Weight 2 lbs. **Price 75c.**

Perfection Flower Guard

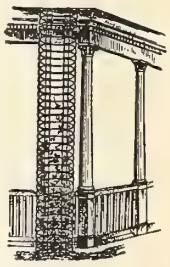


It is just as easily applied to any form or size of flower bed. No posts are required, the picket ends are left projecting for insertion in the ground. Not expensive and can be taken up from year to year. It is cut off to the length required and the ends hook together when set. This border not only protects, but adds to the beauty of every flower bed.

	Our Special Price per ft.
16 in. high, per running foot	**9c**
22 in. high, per running foot	**11c**
28 in. high, per running foot	**12c**

25 ft. lengths and over 1c per ft. less.

Trellis Wire



Excellent for training vines of all kinds up porches, verandas, pergolas, etc. Easy to put up, will last a lifetime. Thoroughly galvanized and well made, cut any length desired.

Our Special Price per ft.

No. 107. 18 in. wide, Single	7c
No. 107. 24 in. wide, Single	9c
No. 108. 18 in. wide, Double	12c
No. 108. 24 in. wide, Double	13c

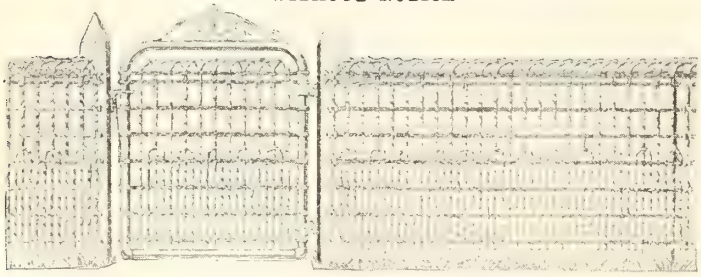
25 ft. lengths and over 1c per ft. less.

"Square-Deal" Ornamental Gates

Our " Square-Deal " Ornamental Gates are made to match our " Square-Deal " Ornamental Lawn Fence. The frames are made of best grade 1⅛-inch O. D. tubular steel. All " Square-Deal " Ornamental Gates are equipped with scroll top and spring latch. The fabric in all " Square-Deal " Ornamental Gates are made especially to fit the frame of the gate. There are no sharp ends projecting, and each filler is a complete piece of fabric in itself.

Height	Width	Price, Each
36, 42 or 48 inches	3 feet	**$4.00**
36, 42 or 48 inches	3½ feet	**4.25**

ALL GALVANIZED WIRE PRICES SUBJECT TO CHANGE WITHOUT NOTICE



Upright or picket wires are No. 9 heavily galvanized, spaced 2⅞ inches apart at top, with an additional No. 9 galvanized picket interwoven, so as to give an extra close spacing of 1⅜ inches at the bottom.

Cabled line wires are No. 12½, spaced 6 inches apart, except the two top cables, which are spaced 2⅜ inches apart.

Galvanized Steel Posts

No. 14½ Line Post, 5 feet	**$0.74**
No. 14½ Line Post, 6 feet	**.80**
No. 14½ Line Post, 6½ feet	**.83**
No. 14½ Line Post, 7 feet	**.91**
No. 14½ Line Post, 7½ feet	**.97**
No. 10 End Post, 7 feet with brace	**4.90**
No. 10 End Post, 8 feet, with brace	**5.55**
No. 10 Corner Post, 7 feet with braces	**7.30**
No. 10 Corner Post, 8 feet, with braces	**7.85**
Top ornament for line post, each	**.30**
Top ornament for end and corner post	**.60**
Drive Cap	**.40**

" Square-Deal " Ornamental Lawn Fence

Style 600 Fabric Specifications

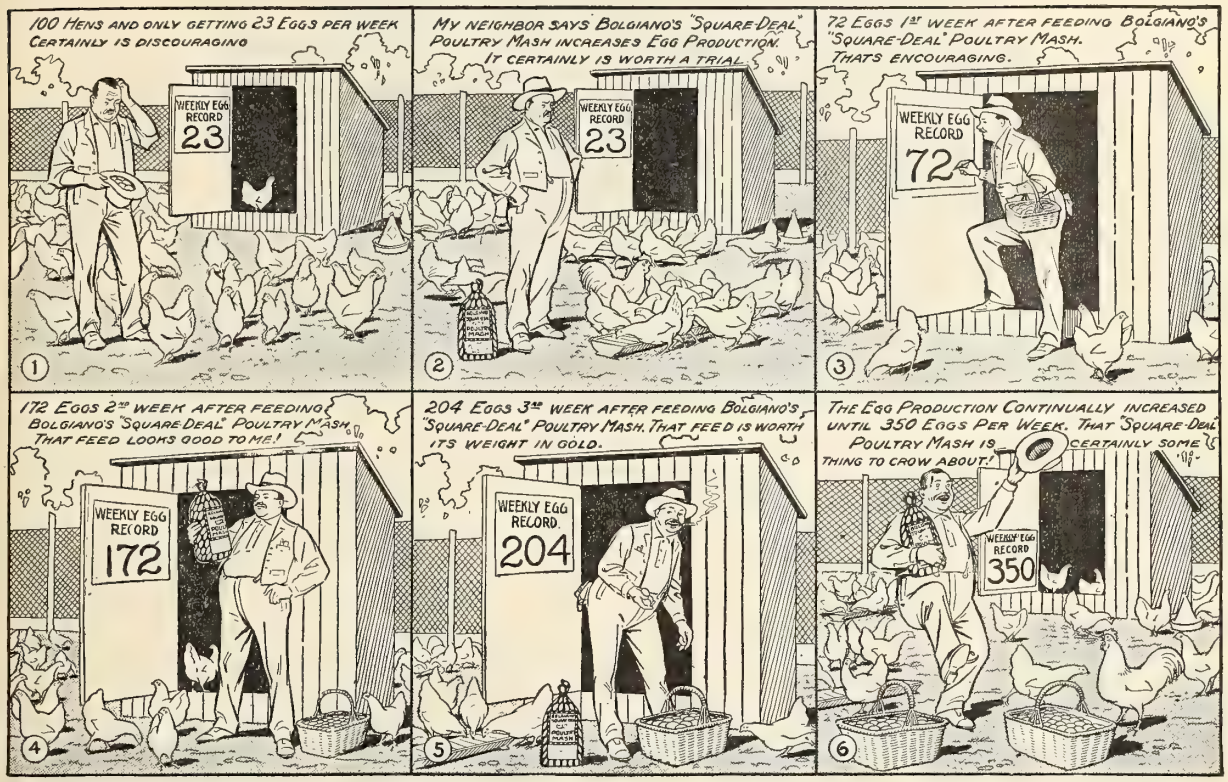
Height of fabric	36 inches	42 inches	48 inches
Number of cables	7	8	9
Price per lineal foot	**15c**	**17c**	**19c**

Put up in 20-rod rolls. Full rolls 10 per cent discount.

The extra pickets at bottom of fabric engage the lower cables as follows: 36-inch and 42-inch, four cables; 48-inch, five cables.

"SQUARE DEAL"

POULTRY AND PIGEON FEEDS

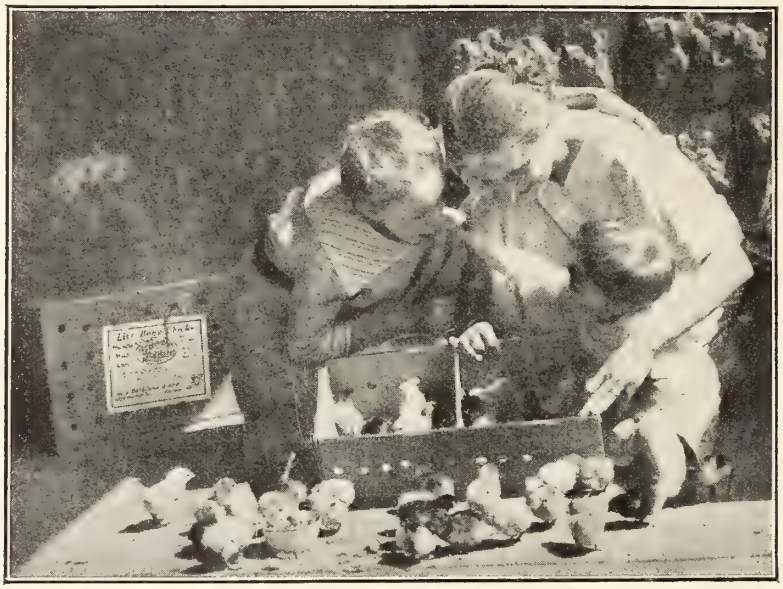


A "SQUARE DEAL" FEED FOR EVERY NEED

For Day Old Chicks	For 6 Week Old Chicks	For Laying Stock	For Pigeons
Starting Feed	**Growing Mash**	**Laying Mash**	**No. 2 Pigeon Feed**
Baby Chick Grains	**Developing Grains**	**Scratch Grains**	**No. 4 Pigeon Feed**

"Square Deal" Feeds are made from only the highest quality ingredient. No screenings or worthless material of any nature are used. Our starting feed, growing mash and laying mash, all contain pure dried buttermilk and an organic mineral supplement. The starting feed and growing mash both contain cod liver oil. We make the laying mash both with and without cod liver oil. Our feeds are as complete as it is possible for science to make them. They are balanced as to proteins, carbohydrates, minerals and vitamines, and will give highly satisfactory results. We do not list prices here on account of the fluctuations in the grain market, but we will gladly quote prices and furnish any additional information you may desire upon request.

Vital Hatch Baby Chicks



WE GUARANTEE 100% LIVE DELIVERY

Hatching Season March 1st to June 30th **Prices Subject to Change Without Notice.**

	25 Chicks	50 Chicks	100 Chicks	500 Chicks	1000 Chicks
Single Comb White Leghorns	$5.00	$9.50	$18.00	$85.00	$165.00
Single Comb Rhode Island Reds	5.25	9.75	19.00	90.00	175.00
Barred Plymouth Rocks	5.25	9.75	19.00	90.00	175.00
Columbian Plymouth Rocks	5.50	10.25	20.00	95.00	180.00
White Plymouth Rocks	5.50	10.25	20.00	95.00	180.00
White Wyandottes	5.50	10.25	20.00	95.00	180.00

HOW TO ORDER BABY CHICKS

Be sure and give full name of your postoffice. (Write full name plainly.) State plainly the number and variety of chicks you want and when wanted. All orders are acknowledged same day received with approximate date of shipment given.

If you have a second choice, please name the variety when ordering, and in that way delays will be avoided many times.

If you wish to book your order early and it is not convenient for you to pay for them at the time, send one-fourth, or 25 per cent, of the full amount of the order.

A card will be mailed you, showing balance due on your order which must reach us 10 days before shipping date. We cannot ship C. O. D. by Express or Parcel Post.

We accept all orders for Baby Chicks subject to delays incident to Hatching oftentimes affected by weather conditions.

BOOK YOUR ORDER EARLY. YOU HAVE NOTHING TO LOSE AND EVERYTHING TO GAIN

If our prices are reduced at the time of shipping, the purchaser will be proportionately credited with the amount or enough additional chicks shipped to make up the difference. Order now before the early hatches are sold out.

EXAMINE THE SHIPMENTS

We Ship All Chicks By Parcel Post, POSTPAID TO YOUR POSTOFFICE. The purchaser assumes all risks when chicks are ordered shipped by express.

Open boxes on arrival; if any chicks are dead, have postman mark number on the back of the receipt and return the receipt to us.

Do not sign for damaged goods—unless marked damaged by the Agent—on the receipt which you sign.

All claims must be made within twenty-four hours, with statement from your postman showing chicks were received in poor condition.

How to Take Care of Your Baby Chicks

The care given baby chicks during the first few days of their lives is vitally important. This cannot be emphasized too strongly. Heavy mortality can usually be traced right back to this critical period. Chick mortality can be reduced greatly by following these simple suggestions, which have been found to be the most satisfactory through experience gained in handling thousands of chicks.

The brooder stoves and houses must be thoroughly cleaned and disinfected. The floor of the house covered with clean chaff, cut clover or sand to the depth of at least one-half inch. The stoves started at least two days before the chicks arrive, with the temperature at the edge of the canopy around 100° Fahrenheit.

When the chicks arrive examine them carefully, and see that all are bright and lively. Some may show signs of slow development after a few days. Such chicks should be removed from the main flock where they can be given special attention. Unless they show signs of improvement, they should not be put back with the others, but should be either fed for market or destroyed. The best time to put the chicks under the hover is just before dark. Take a few out of the boxes at a time and get them settled under the hover before putting the others under. Avoid excitement and noise as much as possible.

Chicks which have travelled some distance are usually upset and nervous. Be sure that they have quieted down before giving them any feed. Grit and tepid water should be before them all the time. Do not give cold water under any circumstances.

THE FIRST FEEDING

On the label of our boxes you will find the date the chicks were hatched. Give them their first feed of "Square Deal" Buttermilk Starting Feed when they are seventy-two hours old. You cannot be too careful about the first feedings. Baby chicks are extremely delicate, and are often killed by too much kindness and too much feed. After they have become thoroughly settled, put down several clean boards or papers, and put on them a handful or two of "Square Deal" Starting Feed. Attract their attention to the feed by tapping the boards lightly with the finger tips. Do not allow the chicks to eat longer than fifteen minutes at each feeding, then gather up all the feed which was not eaten. They should be fed four times a day in this manner for the first four days. Leave the feed before them a few minutes longer each day, and one the fifth day put the feed in hoppers, keeping it before them all the time. On the evening of the fourth day scatter a few handfuls of "Square Deal" Baby Chick Grains in the litter. Thereafter give the chicks a light grain feed both morning and evening.

If there is any green feed available, such as lettuce or sprouted oats, give the chicks a little of this each day. It will help materially.

Follow these directions and feeding instructions carefully until the chicks are six weeks old, with the exception of the grain ration, which should be changed from "Square Deal" Baby Chick Grains to "Square Deal" Developer Grains after the fourth week. At the end of the sixth week, start to change the feed to "Square Deal" Buttermilk Growing Mash, by mixing equal parts of starting feed and growing mash, gradually reducing the quantity of starting feed until the chicks are on the growing mash ration. This change should be completed in two weeks.

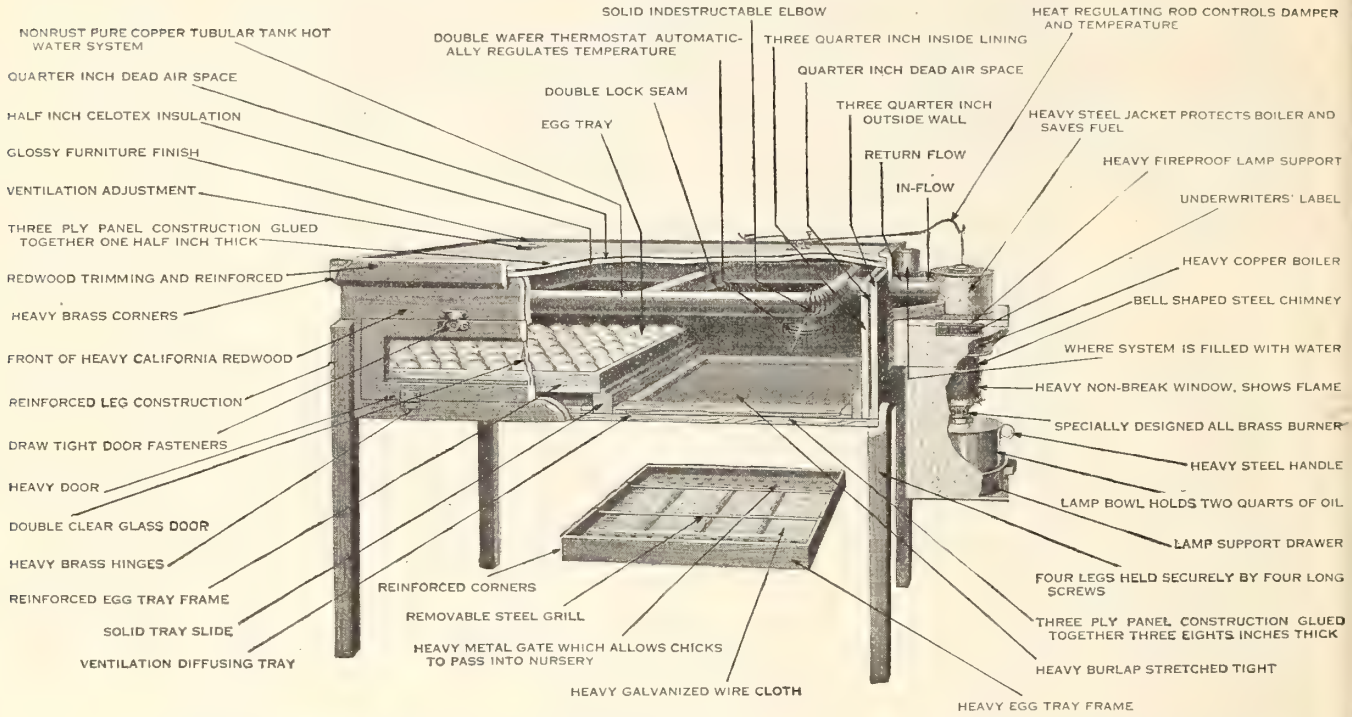
Keep a close watch on the chicks for lice. Clean the brooder houses frequently and spray with a good disinfectant each time. As soon as the weather permits, get the chicks on the ground into the sunlight. This will tend to prevent leg weakness, toe picking and other vices.

As soon as the cockerels can be determined, separate them from the pullets and feed them for market. "Square Deal" Buttermilk Fattening ration should be used for this purpose.

When the pullets grow to maturity, change their feed from growing mash to "Square Deal" Buttermilk Laying Mash and Scratch Grains in the same way the change from starting feed to growing mash was made.

BOLGIANO'S SQUARE DEAL INCUBATOR

Approved by the National Board of Fire Underwriters



Please Examine the Superior Construction of Bolgiano's "Square Deal" Incubator (Shown Above)

General Description of Incubator

CASE—Selected California Redwood. Double Walls, outside and inside walls ¾ in. thick, with ¼ in. dead air space between.

DOOR—Double glass, ¼ in. space between glass which prevents steaming. Heavy brass plated hinges and draw-tight fasteners.

TOP—Extra heavy, lined with ½ in. insulation. Has ¼ in. air space between top and insulation. Heat or cold cannot penetrate.

LEGS—Heavy legs fit over corners of incubator holding same firm and steady.

EGG TRAYS—All "Square Deal" incubators are equipped with Patented Egg Turning Trays. Frames made of whitewood, are extra heavy—bottoms are heavy galvanized hardware cloth—not fly screen—bottom will not sag.

CHICK TRAYS—Heavy frame with burlap bottom. All "Square Deal" incubators have deep nurseries and nursery trays.

HEATING SYSTEM—Hot Water—Tank and boiler made of pure copper and will not leak.

TEMPERATURE—Temperature in incubator is controlled by automatic regulator. See illustration and description in this catalog.

LAMP—Lamp bowl stamped from one piece nonrust steel. Holds one-half gallon, will not leak. Metal chimney—heavy brass, special sun-hinge "Square Deal" burner.

LAMP SUPPORT—Lamp enclosed in heavy galvanized jacket conserves heat and is fireproof.

THERMOMETER—Furnished with tested incubator thermometer and holder.

INCUBATORS COMPLETE—All our incubators are sent out complete. No extras to buy—we send Egg Trays, Thermometer and Holder, Egg Tester, Lamp, Regulator, Lamp Support, Legs and a Complete Instruction Book.

Every "Square Deal" Incubator bears the label of the National Board of Fire Underwriters.

With such improvements as our Patented Egg Turning Trays, Copper Hot Water Heating System, Automatic Heat Control, Safety Lamp, and Perfected Insulation for the Incubator Case, we can now assure poultrymen larger and stronger baby chicks, 15 to 20 per cent bigger hatches, and an incubator which requires very little attention. All "Square Deal" Incubators bear the Underwriters' Label and are FIREPROOF.

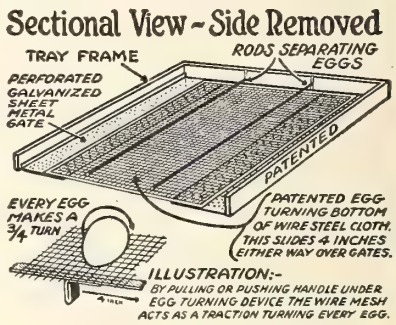
Each incubator is tested individually before it leaves the factory. The purchaser is sure of satisfactory results, if he will but follow the few simple instructions which accompany each incubator.

Prices

85 Eggs	$16.50
150 Eggs	24.00
250 Eggs	31.50
400 Eggs	44.50
600 Eggs	65.00

Patented Egg Turning Trays

Used in All Square Deal Incubators



Read These Twelve Points

1. Handling eggs with moist or oily hands reduces the hatch.
2. Turning the eggs by hand causes poor hatches and weak, puny chicks that will not live.
3. Our Turning Trays will increase hatches from 15 to 20 per cent.
4. For best results eggs should be turned three or four times each day.
5. Our Turning Trays save time. All the eggs in our largest incubators can be turned in one minute.
6. With our Turning Trays it is not necessary to transfer the eggs to hatching trays at hatching time.
7. Our Turning Trays are built strong and substantial, will last indefinitely, have gates so chicks can drop to the nursery if desired, and are easy to keep clean.
8. Our Turning Trays are easy to operate—a child ten years old can turn the eggs with one hand.
9. Our Turning Trays hatch big, strong, fluffy chicks, and hatch them all.
10. Trays need not be removed to turn or cool the eggs. Tray is pulled part way out, then eggs are turned and are left in same position until cooled.
11. The "Square Deal" Incubator with Patented Egg Turning Trays rid poultry raising of the back-breaking drudgery of turning eggs by hand.
12. Our Turning Trays do not break the eggs. They save time and trouble and insure the biggest hatches.

BOLGIANO'S "SQUARE DEAL" COLONY BROODER

CORRUGATED FIRE POT
ABSOLUTELY SELF REGULATING
TRIPLE DRAFT REGULATION
GAS PROOF DUPLEX GRATES
COAL ONCE IN 24 HOURS
Costs Less Than 10 Cents Per Day to Operate

The Square Deal Brooder is Gas proof.

Fire Pot joints are cemented. The Automatic Regulator is very simple, consisting of a damper operated by two powerful thermostats.

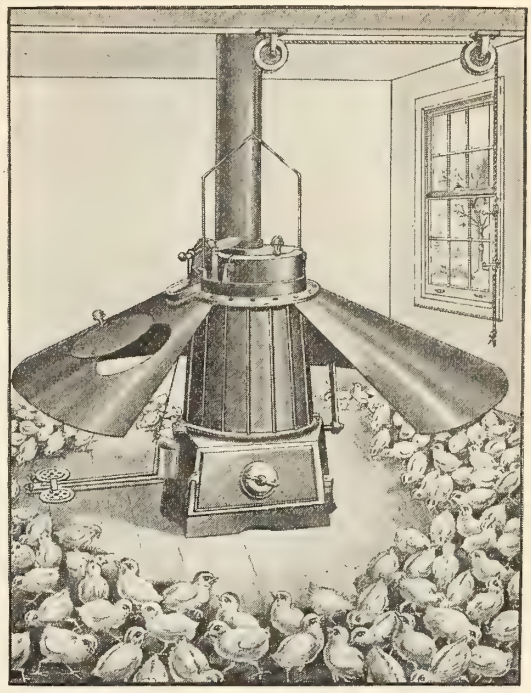
Nothing to get out of order.

When once set it is self-regulating and requires no other attention.

It is not necessary to raise the hover to put on coal.

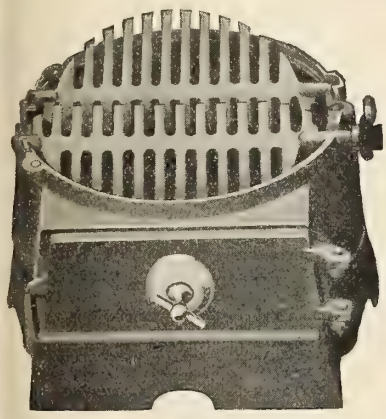
The two smaller sizes use four-inch pipe, the larger sizes five-inch pipe.

Write your own guarantee.



Specifications

	Capacity 350 Chicks	Capacity 500 Chicks	Capacity 1000 Chicks	Capacity 1500 Chicks
Height of stove	22 inches	25 inches	27 inches	35 inches
Diameter of cylinder	10 inches	11 inches	13 inches	15 inches
Diameter of hover	42 inches	48 inches	56 inches	60 inches
Diameter of grate	9 inches	10¼ inches	11½ inches	11½ inches
Shipping weight	78 lbs.	100 lbs.	122 lbs.	165 lbs.
Price complete	**$16.00**	**$20.50**	**$25.50**	**$31.50**



DUPLEX GRATES

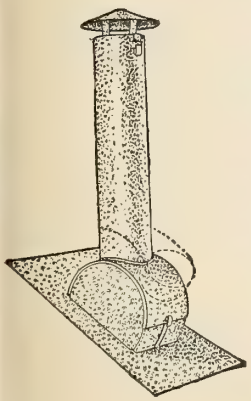
The principal secret of a good fire in a stove of any character, next to good draft through chimney, is a good grate that will clean out ashes thoroughly and allow draft through fire. We believe we have solved this problem.

Note the construction of this grate. It raises up 1½ inches, striking the fire at four points. No draw center or shaker grate will do this. One filling of coal will last 36 hours in ordinary weather. Figure the cost of operating yourself.

These stoves are shipped complete, all you have to do is to bolt on the thermostat arm. The hover is shipped in a strong crate and is complete.

Oakes Adjustable Roof Saddle for Coal-Burning Brooder Stoves

(Patent Applied For)



With this new Oakes product you can set up any standard make of brooder stove in any ordinary building without the trouble and expense of constructing a special chimney. Simple, durable, easy to attach, a positive protection against overheated smoke pipe. The Oakes Adjustable Roof Saddle makes a perfectly watertight and fireproof job where pipe goes through the roof, regardless of style of roof or kind of roofing material. Adjustable to pitch of roof, from steepest to flattest; rustproof—made from No. 28 galvanized iron; rainproof—water can't run down pipe on brooder stove.

Easily Installed!

It is easy to fasten ventilator cap and adjustable hood in exact position desired, without having to drive nails or hunt up wire to hold the stack secure against wind, rain, etc. This outfit will help any make of coal-burning brooder stove do its best work. You can raise your chicks easier and better! It works perfectly and looks neat on any building. The complete outfit consists of one 4½-inch galvanized roof stack, 24 inches long; one rain cap for top of stack; one roof saddle—adjustable to any pitch and easily locked in correct position. Each outfit is packed in a corrugated fiber carton complete; shipping weight, about 15 pounds.

No. D-142, price.....**$1.95**

Oil Burning Brooders, Poultry Wire, Shipping Coops

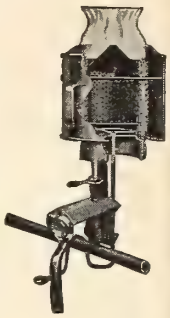
Clear, Constant Heat from a Clear Blue Flame without Smoke or Gas

Prices

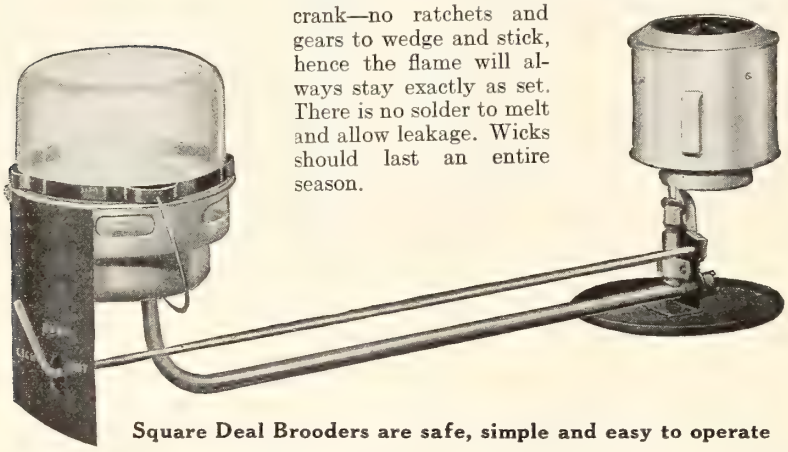
350 Chick Size
42-in. Canopy
$12.50

500 Chick Size
52-in. Canopy
$13.75

The clear blue flame rises from the top of the chimney (which is 12½ inches above the floor) directly to the ventilator or cap at the center of the canopy—then spreads evenly all around. The supply tank is located outside the canopy, connected by a long supply pipe. Capacity of tank 1 gallon which will burn 24 hours. We can also supply the 2-gallon metal tank if desired. Regulation is controlled by the handle at the tank.

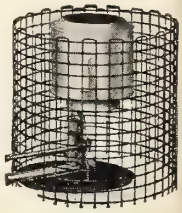


To operate—fill the tank with good grade of Kerosene oil. Set tank on the subtank. Oil then runs from the subtank and flows through the supply pipe into the burner, saturating the wick which feeds to the flame. Notice in the cutaway view of the burner how the flame rises up from the wick through the combustion chamber and out at the top—a clear, clean blue pyramid flame, no generating Lights like a lamp. Its great economy is because the burner takes so much of oxygen out of the air, uniting with the vaporized Kerosene into the wonderful flame. The burner is raised and lowered by a handle crank—no ratchets and gears to wedge and stick, hence the flame will always stay exactly as set. There is no solder to melt and allow leakage. Wicks should last an entire season.



Square Deal Brooders are safe, simple and easy to operate

To keep chicks away from the burner, we suggest that users make a wire screen, like the illustration, cutting a slot to allow setting over the pipe line. This screen should be set on the ground or floor and be high enough to protect even above top of chimney. Diameter of screen about 12 inches, height 14 inches or more. In case there is dust in the air, put a flour bag, or gunny sack, or piece of muslin over the supply tank letting it hang down below the holes of the subtank.



Pigeon Wire

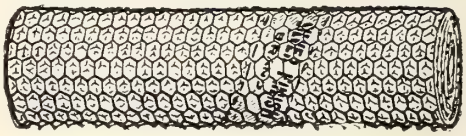
Galvanized after weaving. One-inch mesh.

	Per Roll
12 inch, 150 square feet	$3.00
18 inch, 225 square feet	4.30
24 inch, 300 square feet	5.50
36 inch, 450 square feet	7.50
48 inch, 600 square feet	10.00
60 inch, 750 square feet	12.50

Hardware Cloth

For lining corn cribs, to circle around brooders for newly hatched chicks. Put up in rolls of 100 feet.

	Per Roll
12 inch, 100 square feet, .06 per sq. ft. cut	$5.70
18 inch, 150 square feet, .06 per sq. ft. cut	8.55
24 inch, 200 square feet, .05½ per sq. ft. cut	10.70
30 inch, 250 square feet, .05½ per sq. ft. cut	13.35
36 inch, 300 square feet, .05½ per sq. ft. cut	16.00
48 inch, 400 square feet, .05½ per sq. ft. cut	21.35



Silver Finish Poultry

Galvanized after weaving. Worth 50 per cent more to the customer than galvanized before weaving.

Hard steel wire. Put up in rolls of 150 feet. Galvanized after weaving. Two-inch mesh.

	Per Roll
12 inch, 150 square feet	$1.30
24 inch, 300 square feet	2.35
36 inch, 450 square feet	3.20
48 inch, 600 square feet	4.30
60 inch, 750 square feet	5.35
72 inch, 900 square feet	6.40

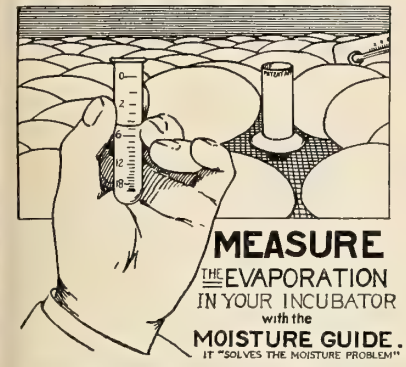
Keipper Sliding Top Door Shipping Coop

In designing the Keipper Shipping Coop we are giving you the benefit of our unlimited experience at poultry shows. We are glad to have produced a shipping coop to overcome this annoyance and have set a price so the coops can be used universally for every sort of poultry shipping. These shipping coops are made from very light cedar wood, which combines strength, durability and light weight. They are made with a sliding door top, which locks automatically and eliminates the bother of nailing the top every time the birds are removed. The saving in express charges on the reduced weight of these coops will pay for the coops in a short time.

	Each	½ Doz.	1 Doz.
No. 18—Size 12 x 18 x 21 inches high	$ .80	$3.84	$6.72
No. 19—Size 12 x 21 x 21 inches high	1.00	4.80	8.40
No. 20—Size 20 x 24 x 21 inches high	1.55	7.44	13.02

All prices on this page F. O. B. Baltimore

Incubator and Brooder Equipment, Chick Boxes, Carbola, Putnam Stoves



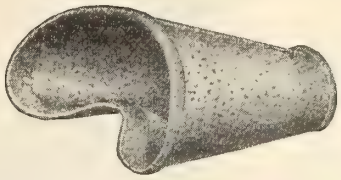
Fasten holder in egg tray. Fill guide to top line with water. One space each day by the scale is proper evaporation. If evaporation is too fast, add moisture. If evaporation is too slow, give more air.

The Patterson and Young Incubator Moisture Guide

A scientific, practical and reliable instrument for recording evaporation in any incubator. Tells when to add moisture or give more ventilation. It shows the accumulated evaporation in the machine and is the most reliable indicator that can be used. Attachments are included for all turning trays and the Moisture Guide works in any incubator. Complete directions and valuable information on incubation with each Moisture Guide.

Price complete, **$1.00** each.

EGG TESTER

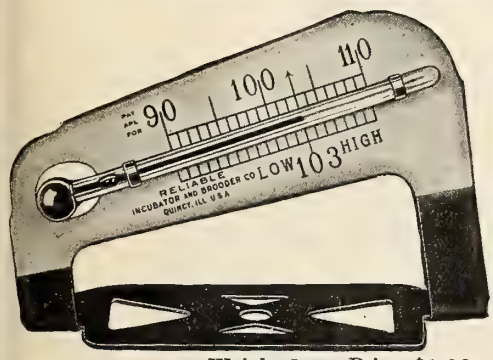


An egg tester is a handy article to have. By its use the progress of the hatching chicks can be observed, and eggs that are infertile may be removed from the machine.

Our Buckeye Egg Tester is a simple device that anyone can use and being made of heavy steel, it cannot wear out or get out of order. Price, **50c.** each. Mailing weight, 1 lb.

Egg Testers.—All Tin, **35c.** each.
Mailing weight, 1 lb.

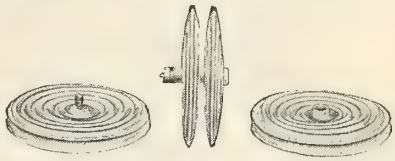
Incubator Thermometers



Weight 8 oz. Price, **$1.00**

Hatch-All retested Incubator Thermometer with White Porcelain Enameled Standard Frame, with black engraving. It has a magnifying lense so mercury column is easily read. It stands on the bottom of egg tray without displacing any of the eggs.

Reliable Brass Wafer Thermostats



For Any Incubator or Brooder

This double wafer has a solid post between the two units, making each unit separate and independent of the other, so that should one of the units become damaged the other would continue to function, thus giving double protection.

3-inch size	**$ .50** each
4-inch size	**.75** each
5-inch size	**1.00** each

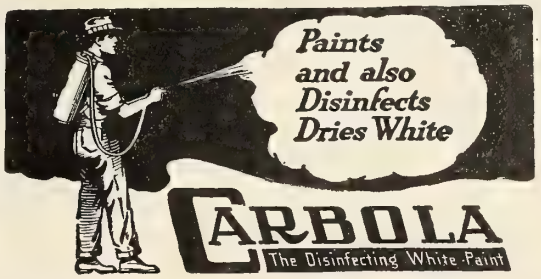
MASTER BREEDER CHICK BOX

It is important to have baby chicks arrive in a healthy condition. Baby chicks cannot be safely nor humanely shipped when jammed in "like sardines," nor, on the other hand, can they be allowed too much space.

The "Master" package is designed for comfort and safety of contents. It is protective, roomy, handsome, a safe, suitable "Pullman Car" for the fluffy youngsters within.

Anderson "Master" breeder Chick boxes are made correct to the sizes and specifications which have been approved by the International Baby Chick Association.

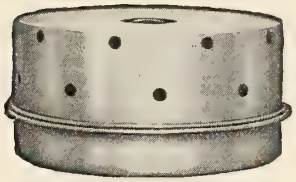
Size	Each	Doz.	Weight Doz.
25 Chicks, 11 x 9 x 5½	**20c**	**$1.60**	12 lbs.
50 Chicks, 18 x 11 x 5½	**25c**	**2.25**	16 lbs.
100 Chicks, 22 x 18 x 5½	**30c**	**3.00**	30 lbs.



USE CARBOLA IN—

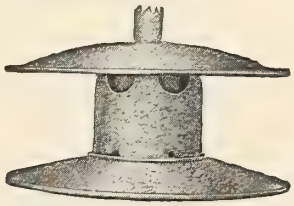
Poultry Houses, Dairy Barns, Vegetable and Flower Gardens, Hog Pens, Sheep Sheds, Stables, Cellars, Garages and Factories.

5 lbs. **75c.** 10 lbs. **$1.25**
50 lbs. **$5.00**



PUTNAM STOVE

Price $1.95 each



BROODER STOVE

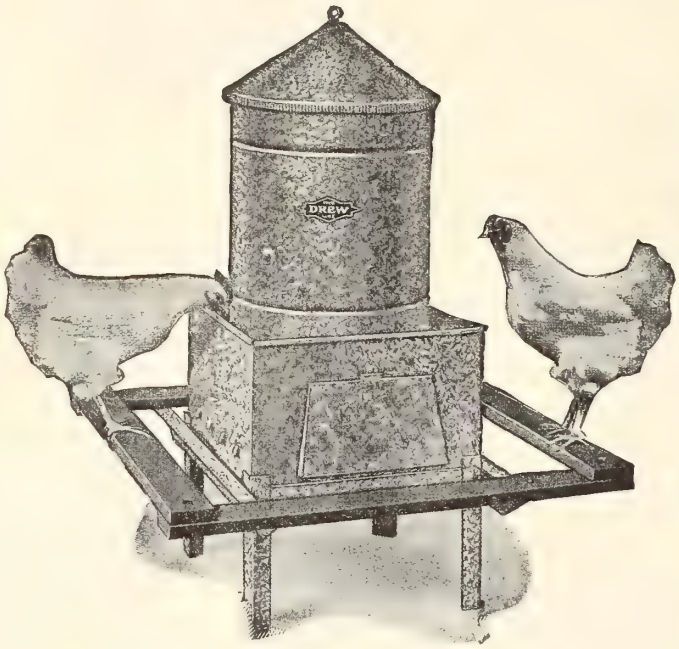
Price $4.75 each

The Putnam Stove is very satisfactory when used under drinking vessels in the poultry house to keep the water from freezing in the coldest weather. Used also as the heating element for a Putnam Homemade Oat Sprouter.

The Brooder Stove handles small flocks most efficiently. Very inexpensive to operate. Complete directions with each stove.

All prices on this page F. O. B. Baltimore

Drew Line Poultry Equipment

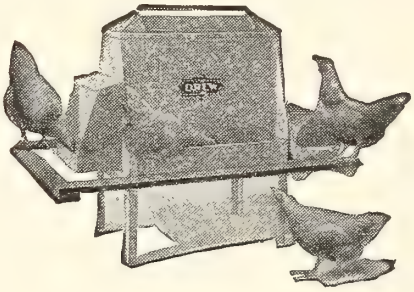


8 Gal. Heated Fountain

The most satisfactory fountain made. Built of 28 gauge copper bearing sheet steel, heavily galvanized. Fountain comes complete with lamp. Very economical to operate and is absolutely safe. This fountain keeps the drinking water at the right temperature for heavy egg production. Fowls will not lay well when forced to drink ice water.

Fountain complete with stand, weight 41 lbs. **$9.40**

Fountain complete without stand, weight 21 lbs. **7.90**



Drew Large Mash Feeder

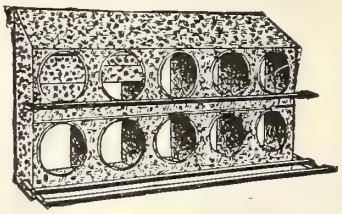
A waste-proof mash hopper built of same quality material as the 8-gal. fountain. Comes complete with top wire to prevent fowls from roosting on feeder. Absolutely sanitary and easy to fill. This hopper will last a life time if properly handled.

Price—50-lb. size **$7.85**
Weight, 32 lbs.

100-lb. size **11.90**
Weight, 51 lbs.

THE DREW LINE

CLEAN NESTS



Healthy Layers

Save time, trouble and expense and MAKE A BIGGER RETURN FROM YOUR HENS. Use the steel nest sections shown above.

The all steel construction insures clean, dry nests at all times. Come in and look at them before placing your order for nests. Prices are right. Absolutely no obligation.

Price:

3 Hole Section..... **$5.25**
Weight 25 lbs.

6 Hole Section..... **7.85**
Weight 35 lbs.

10 Hole Section..... **10.85**
Weight 55 lbs.

Trap Attachment ..... **.45**
Weight 1 lb.

All prices on this page F. O. B. Baltimore

FOUNTAINS

OAKES' SANI-THERMO FOUNTAIN

Keeps Water Warm or Cool—Easy to Fill and Clean
TOP-FILLED; CLEANABLE

Here's the most modern method of supplying poultry with satisfactory drinking water at all times. It insures sanitary, healthy water, regardless of season or location. It keeps the water warm in winter and cool in summer. No lamps to bother with and no expense! The ingenious arrangement of the Oakes' Sani-Thermo Fountain holds the water at the right temperature for a long time. Made of galvanized iron. Top-filled, making it easy to fill and clean.

Heavy wire handle makes fountain easy to move. Conical top keeps fowls from roosting on fount. Well insulated. Made in three sizes.

Capacity	Weight	Price
2 gals.	27 lbs.	**$4.00**
3 gals.	30 lbs.	**4.50**
5 gals.	38 lbs.	**5.50**

MASON CHICK SERVER

This server works automatically with feed or water. Fill a one-quart Mason fruit jar, screw the base to its place, then it is ready for business. Chicks cannot get wet. Price, **15c.**

Postpaid, **20c.** each.

DELPHOS CHICK FOUNT

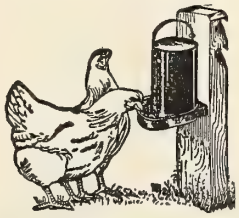
Holds One Gallon

Sanitary—indestructible. A convenience to chicken raisers.

To Fill—Pull top off base and turn can upside down and fill. Push base on and invert. The pressure of the air, together with the two springs, holds the weight of the water and fount may be carried by the handle on top without fear of spilling contents.

Price, **60c.** each. Mailing weight, 2 lbs.

KEYSTONE FOUNTAIN

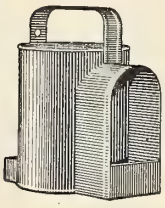


Keystone Fountains will keep your stock supplied with clean water at all times at a very little trouble to you. They are made of heavy material and galvanized, superior workmanship. Easy to clean, easy to fill; pan hinged to tank.

Price, 1-qt. size, **40c.**; 2-qt. size, **65c.**; 4-qt. size, **85c.**; 8-qt. size, **$1.25.**

Mailing weights, 1, 2, 3 and 4 lbs.

HEAVY WALL FOUNT



These are made of No. 28 gauge steel and are much better and stronger than most other fountains of this style now on the market. A hood over the trough prevents dirt from getting into water.

2 qt., **60c.**; 4 qt., **75c.**; 8 qt., **95c.**

Mailing weights, 2, 3 and 4 lbs.

LEADER FOUNTAIN

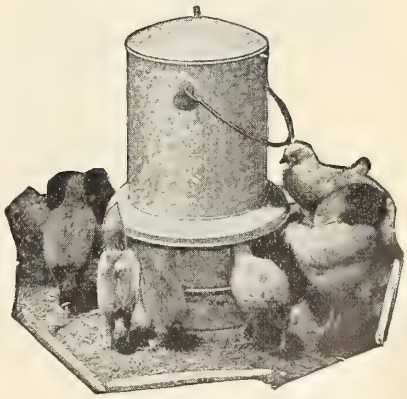
A new sanitary fountain, practical to use and easy to keep clean, made in two pieces which telescope.

This fountain has two drinking spaces making it very convenient for large flocks and holds 3 gallons of water. These founts can be hung on the wall or placed on a stand, are well made of good material and are a distinct saving of from 30% to 40% over any fountain its size.

Price, **$1.50** each.

Mailing weight, 6 lbs.

CAPACITY FOUNTAIN



This fountain consists of two cans, one telescoping into the other making a double thickness of metal which will retard freezing in winter and keep water cool in summer.

The fountain has drinking space all around. Is filled from the top which is cone shaped to prevent fowls from roosting on the fountain.

Used with stand for growing fowls, or can be used without stand for baby chicks. By getting this fountain and the D-43 heater, you have a fountain that can be used throughout the year. This is a dandy fountain for large flocks of baby chicks as it does away with the bother of handling a lot of jar founts or other small waterers.

D—9 5 Gallon Fountain, packed one in a box.....**$3.75**
Shipping weight, 12 lbs.

D—9A 5 Gallon Fountain, with heater, packed one in a box..... **5.50**
Shipping weight, 20 lbs.

All prices on this page F. O. B. Baltimore

FEEDERS AND EGG BOXES

ROUND BABY CHICK FEEDERS

Pure food for the baby chicks. A great feed saver, as the little chicks cannot get into it and contaminate the feed. Cannot be upset. Can also be used for water or milk. This is a practical, well-made feeding device that will last for years. Manufactured in two sizes.

No. 11—6 inches in diameter, 8 feeding holes, each, **10c.**

No. 12—8½ inches in diameter, 12 feeding holes, each, **20c.**

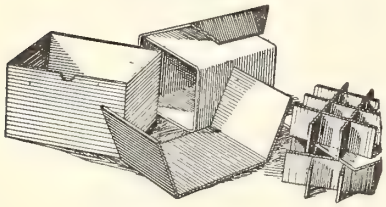
Postage, **7c.** extra.

CAPACITY FEEDER

The greatest chick feeder you ever saw to save time, labor and feed. Has 50 feeding spaces; wires extend into the hopper so that chicks, in eating, shake down the mash and prevent clogging. The gabled top is hinged to lift back to make filling easy; capacity about 35 pounds of mash. Length, 30 inches; height, 12 inches; width at bottom, 11 inches. Weight, 15 lbs.

Price, **$4.30.**

CORRUGATED PARCEL POST EGG BOXES



Size	Each	Doz.	Weight Per Doz.
1 dozen	8c	$ .90	8 lbs.
2 dozen	11c	1.20	12 lbs.
3 dozen	15c	1.65	16 lbs.
4 dozen	19c	2.10	21 lbs.
5 dozen	22c	2.40	24 lbs.
6 dozen	26c	2.90	28 lbs.
10 dozen	31c	3.10	40 lbs.

EGG CASE FILLERS

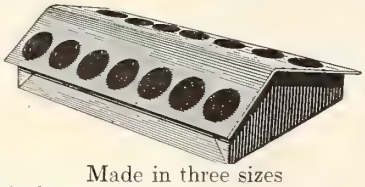
Cardboard fillers for the ordinary 30 dozen market case come packed in cases of 10 sets per case (100 fillers 80 flats) for **$1.50** per case; less than case, **20c** per set.

Mailing weight, 4 lbs. per set.

CHICK FEED TROUGHS

These troughs are very convenient for feeding flocks of growing chicks.

The trough is made on a half-circle, so that every bit of feed can easily be eaten out of it.



Made in three sizes

12 inches, 16 holes.....**20c.**
Mailing weight, 1½ lbs.

18 inches, 26 holes.....**30c.**
Mailing weight, 1¾ lbs.

24 inches, 34 holes.....**40c.**
Mailing weight, 2 lbs.

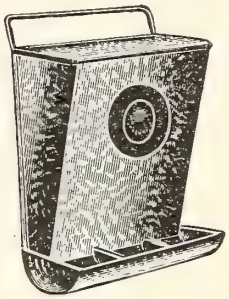
ROUND CHICK HOPPER

A very popular, practical, durable hopper, made of galvanized steel. Cone keeps feed from clogging. Holds one peck.

Height, 12 inches; diameter of hopper, 8 inches; diameter of pan, 12½ inches; weight, 4 lbs.

No. 56, Each.....**$1.25**

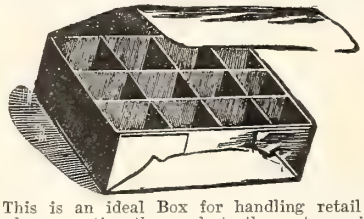
Shell and Grit Box No. 9



Grit, shell and charcoal have now become a recognized essential part of the diet insuring healthy fowls. They cannot be more economically supplied than in one of our inexpensive compartment boxes. Made of galvanized iron.

Mailing weight, 4 lbs. Price **80c.**

SQUARE DEAL EGG BOXES

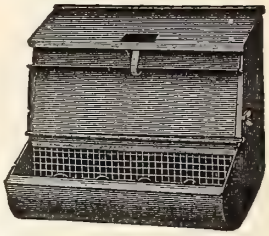


This is an ideal Box for handling retail egg trade, presenting the goods to the customer in an attractive package with the minimum amount of trouble to the seller.

One dozen size **20c** per dozen. **$1.35** per 100. **$2.75** per package of 250. **$10.00** per 1000.

Mailing weight, 2 lbs. per doz. 12 lbs. per 100.

THE IMPROVED MASH HOPPER



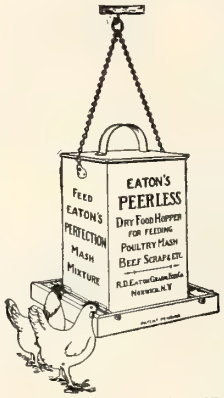
The Improved Handy Hopper is made of galvanized iron throughout. It is provided with hinged lid over both hopper and trough, making it rat and mouse proof, as well as dirt proof.

It is provided with a swinging front, adjustable to suit any kind of dry mash and which eliminates any possibility of clogging.

No. 1, 12 in. in length.....**$1.70**
No. 2, 18 in. in length..... **2.10**
No. 3, 24 in. in length..... **2.60**
No. 4, 36 in. in length..... **3.90**

Mailing weight, 6, 8, 12 and 16 lbs.

Peerless Self-Feeding Dry Feed Hopper



This hopper is absolutely rat-proof all the time, day and night, and needs no attention except refilling when empty.

It is the only hopper that will feed grains, dry mash, beef scrap, etc., with equal facility, as it has an unobstructed feed outlet.

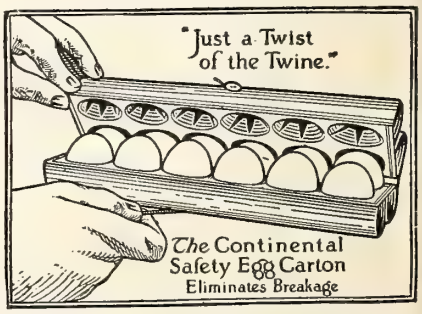
The fowls positively cannot waste the feed, as they have to exercise for every mouthful they get, though the feed is freely before them all the time.

SIZES AND PRICES

Small, 8 qt. size for 10 to 15 birds.....**$2.00**
Medium, 16 qt. size for 15 to 30 birds..... **2.50**
Large, 32 qt. size for 35 to 50 birds..... **3.50**

Mailing weights, 4, 6 and 8 lbs.

SAFETY FIRST



Pack them in Continental Safety Egg Cartons and cut out breakage—half your profit goes that way.

Continental Cartons are neat and unique, clean and convenient.

Prices, **25c** per doz.; **$1.60** per 100; **$3.75** per 250; **$14.25** per 1000.

Mailing weight, 2 lbs. per doz.

All prices on this page F. O. B. Baltimore

METAL EGG CRATES, NEST EGGS, WATER GLASS, TOE PUNCHERS

This is the New Model with the metal edged filler and it is a wonder. Solves every problem of shipping eggs and butter and other soft products by mail. Built for continued use; practically indestructible; lasts for years. No wrapping is required. A permanent lock pin that does not lose, holds the lid rigidly closed.

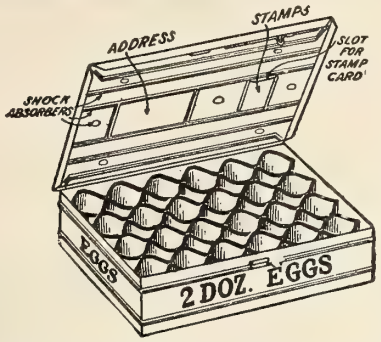
Reversible Address Cards

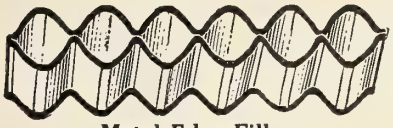
Reversible address cards are placed over eggs, address visible through opening in lid. Names of shipper and receiver are placed on each side of this card.

Metal Edge Filler

This is a wonder—so strongly made that it will not require replacements. Every user praises the New Model, with the Metal Edge Filler. Nothing better can be made to stand the jar and shocks of transit.

		Postpaid
2-doz. size, all eggs.....	**$1.50**	**$1.57**
3-doz. size, all eggs.....	**1.75**	**1.83**
4-doz. size, all eggs.....	**2.00**	**2.09**
6-doz. size, all eggs.....	**2.50**	**2.60**

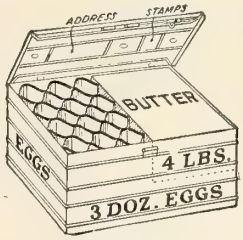




Metal Edge Filler

PRICES AND SIZES

Butter only		Postpaid
No. 4. 6 lbs. (3 2-lb. cont.).....	$2.25	$2.32
No. 5. 12 lbs. (3 4-lb. cont.).....	2.50	2.58
No. 6. 16 lbs. (2 8-lb. cont.).....	2.50	2.58
No. 7. 24 lbs. (2 12-lb. cont.).....	3.50	3.60



Combination Crates

Any size Combination Crate desired can be supplied to carry eggs, with metal containers to hold butter, lard, sausage, honey, cut-up chicken, country sliced ham, etc. Any of these Combination Crates will be found surprisingly satisfactory. Butter, lard, and other soft products will not melt or run in warmest weather.

Eggs and Butter		Postpaid
No. 1—2 lbs. & 1 doz. eggs.....	$1.50	$1.57
No. 2—4 lbs. & 2 doz. eggs.....	2.00	2.08
No. 3—4 lbs. & 3 doz. eggs.....	2.25	2.34

MAILING RATES

	Weight Empty	Postage Empty	Postage Filled
2-doz. size.....	3 lbs.....	$0.07	$0.10
3-doz. size.....	4 lbs.....	.08	.12
4-doz. size.....	5 lbs.....	.09	.15
6-doz. size.....	6 lbs.....	.10	.19

	Weight Empty	Postage Empty	Postage Filled
Comb. No. 1.....	3 lbs.....	$0.07	$0.10
Comb. No. 2.....	4 lbs.....	.08	.15
Comb. No. 3.....	5 lbs.....	.09	.18

The above postage rates apply to the second zone or 150 miles.

SQUARE DEAL WATER GLASS

Saves Money and Helps Keep Down the High Cost of Living

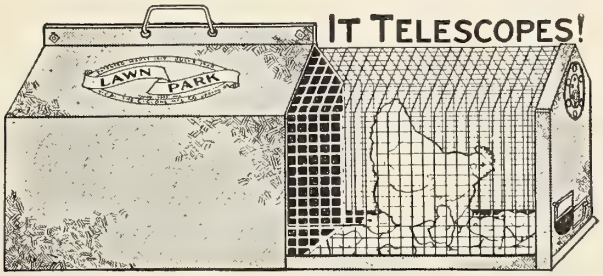
Put your eggs down in the spring and summer when they are cheap and keep them fresh for ten months. One gallon makes sufficient solution for 50 dozen. "Square Deal" Water Glass has been thoroughly tested. Do not trust eggs to a water glass of inferior strength. It must be pure and strong to safely protect eggs.

Price, 1 quart, **30c**; 2 quarts, **55c**; 4 quarts, **$1.00.** Weight, qt. 4 lbs.

ANDERSON EGG BOX

A strong collapsible box for shipping fancy eggs.

Size	Each	Doz.	Weight Per Doz.
15	**25c**	**$2.65**	18 lbs.
30	**35c**	**3.95**	28 lbs.
50	**50c**	**5.40**	40 lbs.



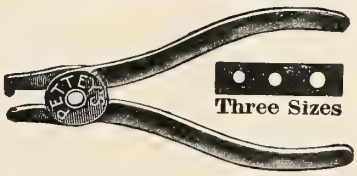
The wire park slides in and out, an ideal coop for both hen and chicks. Shipping weight, 20 lbs.

Price, **$3.50** each.

PERFECT POULTRY MARKER

The best little chick marker ever made. Small and convenient to carry in the pocket. **30c.** postpaid.

LEVER PUNCH

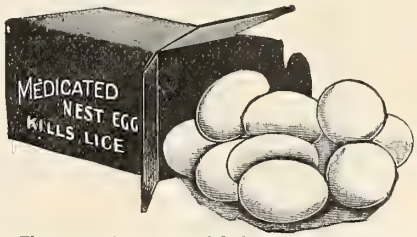


The best punch of all. Cuts clean, practically no bleeding.
Price, **55c.** postpaid.

LAWN PARK BROOD COOP

Made from galvanized steel, 18 inches wide, 24 inches long, and 19½ inches high.

MEDICATED NEST EGGS



They contain a powerful disinfectant, which is guaranteed to drive out all lice and vermin. Each, **6c.** Doz., **60c.** Mailing weight, 2 lbs. doz.

OPAL OR CHINA NEST EGGS

White flint, **3c** each. 2 for **5c.** 12 for **25c.** Mailing weight, 1 lb. doz.

All prices on this page F. O. B. Baltimore, except where otherwise specified

Caponizing Sets, Leg Bands, Vio-Ray, Turkey Supplies, O. K. Poultry Litter

CAPONIZING SETS

What are Capons?—A capon is a male bird (cockerel or rooster) from which the testicles have been removed. As in other animals—bull, horse, boar, etc.—this operation changes his nature entirely. He has only one function in life—to get fat. He makes quick meat, tender meat, and much of it, and best of all, he makes the highest-priced meat in the market. Properly killed and dressed, he attracts the attention of the best buyers—people to whom money is no object if they can get what they want.

Best Time to Caponize—Fowl hatched any time of the year make fine capons; no ill-results follow the operation at any time in the year. The bird should be from two to three months old (not over six months), and weigh not less than a pound and a half. The size is equally as important as the age. April, May, June, July, August, September and October are the months generally taken for caponizing, for the reason that spring chickens arrive at proper age and weight during these months; also because cockerels caponized then arrive at the proper age and weight for market during the months of November, December, January, February, March, April and May, at which time there is the greatest demand for them in the cities and highest prices secured.

Philadelphia

Complete with instructions, in Velvet-lined Case, as per engraving (Postpaid). **$2.75, $3.00, $3.50, $4.00 and $5.00.**

Leg Bands for Poultry and Pigeons

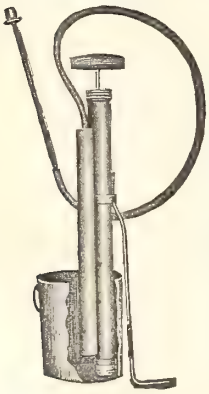
Size used for different breeds. (Order by number.)

No. 7 for Bantams and small Mediterranean females, etc. No. 9 for Ordinary Mediterranean and Pit Game females, etc. No. 11 for Mediterranean males, American females, Pit Game males and French females. No. 12 for medium Asiatic females, Turkey hens, etc. No. 14 for ordinary large Asiatic and Tom Turks, etc. No. 5 Pigeons. No. 4 Baby chicks.

"Spir-ol Leg Bands." Made of celluloid in ten colors. Goes on and off like key ring. Five sizes—Baby Chicks or Pigeons. Price, doz., **10c.**; 25, **20c.**; 50, **35c.**; 100 for **50c.** Mediterranean, American and Asiatic Classes. Price, doz., **15c.**; 25, **30c.**; 50, **50c.**; 100 for **75c.**; 1000 for **$6.50. Postpaid.**

Champion Adjustable

Champion Adjustable. 12 for **15c.** 25 for **25c.** 50 for **45c.** 100 for **75c. Postpaid.**



Whitewash Sprayer and Force Pump

No. 28. Whitewash Sprayer and Force Pump is designed for use in pail or bucket, and will fit any size. The pump is made of galvanized iron. The top and bottom are made of brass. It is regularly equipped with 3 feet of best hose, 1-foot brass extension rod and a brass nozzle, which will give two different sizes of sprays. It has ball valves and steel foot rest.

Much more work can be done with this pump in a day than can be done with a brush. The force with which the material is applied causes it to penetrate the small crevices, making a perfect job. Price **$2.25.**

Vio-Ray is the ideal material for use in brooders and laying houses, barns, etc.

Practically unbreakable. Easy to use. Vio-Ray is weather-proof and cold proof. It permits the short rays of the sun, the health giving rays to pass through, an advantage not possessed by ordinary window glass. The short rays of the sun help prevent leg weakness.

Also very good for use on cold frame and hot bed sash.

Vio-Ray is put up in rolls 100 feet long and 3 feet wide. We cut any length you want. Price **16c.** per square foot.

Roofing

Smooth Surface, Standard Grade, 108 square feet per roll. Nails and Cement included.

Light	Battle Ax Brand	**$1.40** per roll
Medium	Apex Brand	**2.10** per roll
Heavy	Apex Brand	**2.55** per roll

O. K. Poultry Litter

A scientific litter for your hen houses. Prevents dampness, absorbs odors. Makes ideal dust bath. Very sanitary. Helps to keep eggs clean. Outlasts ordinary litter two to three times. **$3.50** per bale of 165 lbs.

SPRATTS TURKEY FOOD

Fine for chicks or poults, coarse for old birds. Is an absolute necessity for the successful rearing of turkeys. It prevents disease and rears strong, vigorous birds. Price, Cartons, **40c.**

AMERICAN TURKEY POWDER

If you raise turkeys and are troubled with sickness or disease try a package of the powder in your feed, also in the water, and you will see what a difference and how soon your birds will be back in condition again. Will prevent Black Head, a disease dreaded by turkey raisers. Price, per package, **35c.**; by mail **10c.** extra.

We Sell and Recommend Burrell-Dugger Guaranteed Poultry Remedies

DON SUNG
Makes Hens Lay!

We Guarantee you--More Eggs or No Pay

"Hens won't lay in Fall and Winter," used to be accepted as a fact. But anyone who has tried Don Sung knows that hens will lay right through the zero spells of winter, and all other cold or wet seasons.

Some may doubt this—and you may be one of them. But if you don't at least try Don Sung, you are missing some sure, easy profits from extra eggs.

A Mineral Compound that Scientifically Helps Nature

Don Sung doesn't force or hurt the hen in any way. It is a balanced mineral conditioner. It improves the hen's health, tones up her egg-laying organs, and makes her stronger and more productive. It helps supply, during Fall and Winter, those mineral elements, lacking in the feed at that time.

Costs Nothing to Try—Give Don Sung to 15 hens for 30 days. If it doesn't show you a big increase in eggs, if it doesn't pay for itself and a good profit, your money will be promptly refunded.

Prices: Trial size, 50c; Large size, $1, holds 3 times the 50c size; SPECIAL SIZE (6 times the $1 size)—$5.

To Kill Chicken Lice!

The U. S. Dept. of Agriculture says, "Nothing is as satisfactory as Sodium Fluoride. It kills both old and young lice, including the young which hatch from the eggs present on the fowl at time of treatment." Talcimized Sodium Fluoride is the form for poultrymen to use. Here it is, Ready to Use.

Here is T. S. F., specially made for poultry. It is less irritating, and is so light and fluffy that it penetrates the plumage. It is in a handy sifter-top can that keeps it protected. Carries the Government's directions for use by the "dusting," "dip" and "pinch" method.

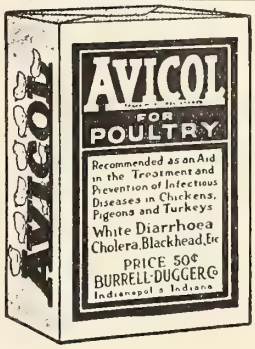
Prices of T. S. F. Delivered

Small Size (enough for 40 chickens)	40c
Large Size (Twice as much)	70c
Special Size (Five times the large size)	$2.65

TALCIMIZED SODIUM FLUORIDE (Called "T.S.F.")

(All these prices include packing and postage.)

AVICOL



Stops Chicks Dying

The Wonder Remedy for WHITE DIARRHOEA or Cholera in chicks, and Black-Head in Turkeys

Does work in 48 Hours

White Diarrhoea kills half of nearly every hatch of chicks. The strange thing is that so many people think this loss can't be stopped. But it can be stopped, without extra work, without troublesome dosing, and at almost no cost. For years, thousands have saved their sick chicks and raised nearly every chick in every hatch, by keeping Avicol in the drinking water.

Avicol is a bowel antiseptic. It makes chickens healthy and keeps them healthy. Costs less than a cent a day for an ordinary flock. Guaranteed.

Price 50c; Large Size (Almost 3 times as much) $1.

Roup-Over

TRADE-MARK

"The Over-Night Roup Remedy"

A New Prompt and Positive Guaranteed Treatment for Roup, Canker and Colds in Poultry

Roup works fast. It usually begins with a cold. After that, the disease progresses rapidly. It is very contagious and can soon kill every chicken you own. Roup is one of the most serious of poultry diseases.

Keep Roup-Over on hand and at the first symptoms of a cold in your flock, give it to every affected bird. It clears the air passages and brings relief with magic quickness. Easily given. Comes in a liquid form and a few drops does the work. Fully guaranteed.

Price 50c; Large Size $1 (Three times 50c size)

For Gapes in Chicks!

When gapes starts in your flock, get the best of it promptly or it may kill all your chicks. Get Trakol and watch it quickly master the situation. Easily given in the drinking water. Guaranteed. Price 50c.

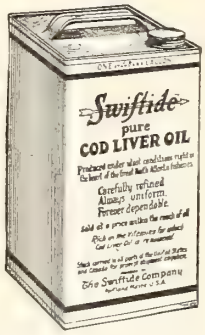
Trakol For Gapes In Chicks

Scientifically made in the Laboratories of the Burrell-Dugger Company

Cod Liver Oil, Worm Emulsion, Conkey's Remedies

Cod Liver Oil

Wonderful for Poultry and Animals. Science recommends it—Experiments prove it—Thousands are using it. Ask us for particulars. We sell



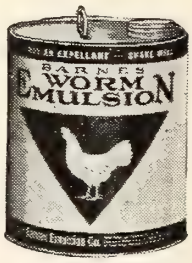
Swiftide
pure
COD LIVER OIL

Produced under ideal conditions in the heart of the great North Atlantic Fisheries. A beautiful, light, golden oil very rich in Vitamines A and D. In one gallon cans nicely labeled with full directions on the label.

We have this oil in one gallon cans only. Price per gallon
$2.25
F. O. B. Baltimore, Md.

BARNES WORM EMULSION

Barnes Worm Emulsion is a vitamine - containing, health and vitality building food that controls worm infestation, not by expelling, but by digestion and assimilation. Baby chicks thrive on it.



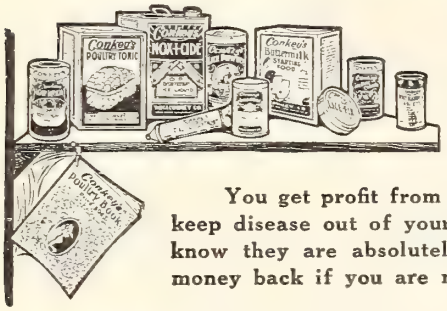
For nine years it has been doing all we claim it will do, and is fully guaranteed. A test will prove its merit. No poisons. No acids. No contaminated premises from expeled larvæ.

WRITE FOR BOOKLET

Prices

1 Pint	$ .60
1 Quart	1.00
1 Gallon	3.00
5 Gallon	12.50

Parcel Post Table, See Page 95



Have a *Conkey* Corner in Your Poultry House

You get profit from your poultry only when your birds are in good productive health—when you keep disease out of your flock. We sell CONKEY'S POULTRY AND STOCK REMEDIES because we know they are absolutely reliable and we back every Conkey Package with our guarantee, "Your money back if you are not satisfied."

Conkey's Roup Remedy. World famous for Roup. 30c., 60c., $1.20. Postpaid. 5-lb. cans $5.75. Postage extra.

Conkey's Canker Special. A very efficient remedy. 50c. Postpaid.

Conkey's Cholera Remedy. 25c. and 50c., postpaid.

Conkey's Sorehead (Chicken-pox). An excellent treatment. Postpaid, 30c. and 55c.

Conkey's Bronchitis Remedy. Postpaid, 50c.

Conkey's Poultry Tonic. Good for all your birds. Packages, 25c., 50c. Pails, 12 lbs., $1.60, 25 lbs., $3.00. Express not paid or postage extra.

Conkey's Lice Powder. Packages, 5 oz., 20c.; 15 oz., 35c.; 48 oz., 50c. Postage extra.

Conkey's Lice Liquid. Quart, 60c. 2 qts., 90c. Gallon, $1.50. Express not paid.

Conkey's Noxicide. Disinfectant for homes, poultry yards and farms. Pt., 50c. Qt., 80c. 2 qts., $1.30. Gal., $2.00. Express not paid.

Conkey's Sulphur Candles. 20c. each. Postpaid.

Conkey's Fly Knocker is invaluable for the dairyman, stockman, farmer and owner of live stock. Horses can't work, cows can't give milk rich in butter fat, if flies pester them all day long. Spray Conkey's Fly Knocker about the home and around the stables, and it will chase these wicked pests. Qt., 60c. 2 qts., 90c. Gal., $1.50. Express not paid.

Conkey's Head Lice Ointment. Saves chicks from big murderous head lice. 10c. and 25c. Postpaid.

Conkey's Gape Remedy. Saves chicks from choking, gape worm. 30c. and 55c. Postpaid.

Conkey's Limber-Neck Remedy. 50c. Postpaid, 55c.

Conkey's Poultry Worm Remedy. Postpaid, 30c.

Conkey's White Diarrhoea Remedy. For this contagious chick disease. 30c. and 60c., postpaid.

Conkey's Poultry Conditioner. For rapid conditioning. 30c. and 55c. Postpaid.

Conkey's Lice Fix (Ointment). Easy to apply. Sure in results. 25c. and 50c. Postpaid.

Conkey's Blackhead Remedy. Postpaid, 55c.

Conkey's Scaly Leg Remedy. Postpaid, 25c.

There is a Special Conkey Remedy for each Curable Poultry Disease

All prices on this page F. O. B. Baltimore, unless otherwise noted

OAT SPROUTER
PRATT'S REMEDIES

Parcel Post Table, see Page 95

Postage Extra and must be Included when Remitting

Healthy stock and lots of eggs, the two big things in poultry raising, are made certain by giving

PRATT'S POULTRY REGULATOR

Packages, **25c., 50c.** 12 lb. pail, **$1.65.** 25 lb. pail, **$3.00.**

It builds up vitality, insures sound digestion, sharpens appetite and prevents disease, thus putting birds in condition for heavy egg laying or winning blue ribbons.

PRATT'S WHITE DIARRHOEA REMEDY

To protect your chicks from white diarrhoea, the most destructive of all chick diseases, it is only necessary to give Pratt's White Diarrhoea Remedy in the drinking water from the first drink. This remedy has saved many dollars' worth of chicks for poultry raisers. You can depend on it. **25c.** and **50c.**

PRATT'S ROUP REMEDY

Don't let ROUP cut your profits. The sure and easy "ounce of prevention" against this dangerously contagious disease is

Pratt's Roup Remedy
Tablets or Powder,
25c., 50c.

Quickly absorbed by the blood, purifies the system, reduces fever, allays inflammation. The safe remedy for roup, colds, catarrh and all bad weather diseases.

OTHER REMEDIES

Pratt's Bronchitis Remedy, 25c. and **50c.**

Pratt's Scaly Leg Remedy, 30c. and **60c.**

Pratt's Germothol Bottles, 30c. and **60c.**

PRATT'S POWDERED LICE KILLER

Effective, non-poisonous, non-irritating. May be used wherever a powder is suitable. A splendid deodorizer. Will kill lice on horses, cattle, dogs, cats and plants. Price, **12c., 25c.** and **50c.**

PRATT'S CONDITION TABLETS

A "bracer" for overworked, rundown poultry. Keeps show birds in the pink of condition; puts flesh on thin birds; prevents colds, roup and liver troubles. We guarantee this remedy to satisfy you or refund purchase price. **25c.** and **50c.** a box.

PRATT'S GAPE REMEDY

An unfailing guaranteed remedy for Gapes. If used in the drinking water from the start until the chicks are four weeks old, gapes will be practically unknown.

Prices, **25c** and **50c.**

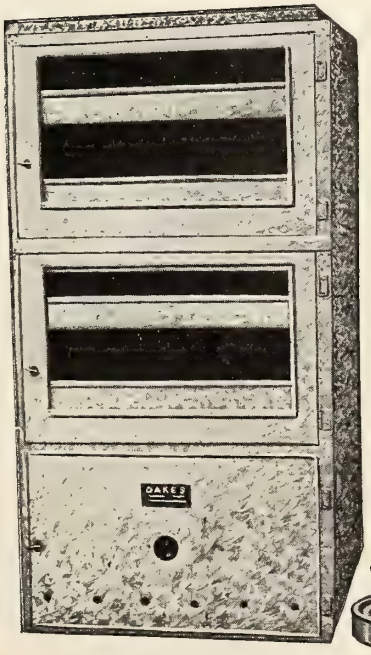
PRATT'S POULTRY DISINFECTANT

A germicide and louse and mite eradicator.

Three times as powerful as carbolic acid. Doesn't burn or irritate; safe to handle; lowest in price.

Besides its use in the poultry yard, it is an admirable household antiseptic and deodorant.

1 qt., **55c.** 2 qts., **90c.** 1 gal., **$1.50.**



Oakes Lamp-Heated Sectional Sprouter

This sprouter is made of No. 26 galvanized steel. The walls are insulated rubberoid. The grain trays are 18 inches square with perforated bottom, permitting the moisture to pass through the grain easily, and giving free passage of air to prevent moulding of grain. Perforated top allows warm air to pass out without difficulty.

The base of the sprouter contains two grain trays and a moisture pan, and each section contains two grain trays. The top is removable, making daily application of moisture simple and easy. Glass doors admit plenty of light to stimulate the growth of the grain.

No. E-65—Price of upper section only.**$7.50**
No. E-66—Price of base only.....**10.00**
No. E-67—Price of outfit complete....**17.50**

Many biological laboratories and agricultural experiment stations have found this equipment useful for testing and growing seeds.

All prices on this page F. O. B. Baltimore

DOG FEED AND REMEDIES—GERMOZONE

CHAMPION DOG FOODS

Champion Dog Food is a complete and balanced diet for all ages and breeds of dogs. It is made from clean, fresh, wholesome ingredients. It contains a large Content of fresh meat, white flour, whole wheat, corn meal and oat meal, iodine as a preventive of goiter, pure cod liver oil to furnish vitamines and prevent rickets, and various mineral salts to strengthen the bones. All phases of a dog's food requirements are satisfied with Champion Dog Foods.

Champion Dog Biscuit

This is the large whole biscuit for the mature dog.

2 lb. package	$ .40
4 lb. package	.70
25 lb. bag	3.00
50 lb. bag	5.00
100 lbs. in bag	10.00

Champion Puppy Biscuit

This is the small, thin biscuit made especially for the small dog and the growing pup.

1½ lb. package	$ .30
25 lb. bag	3.00
50 lb. bag	5.00
100 lbs. in bags	10.00

Champion Kibbled Dog Food

This is exactly the same as the whole biscuits excepting that it is broken into small pieces for convenience in feeding.

5 lb. bag	$ .75
25 lb. bag	3.00
50 lb. bag	5.00
100 lbs. in bags	10.00

Champion Puppy Meal

This food is similar to "Kibbled" but it is ground finer for the pup just weaned and up to three or four months of age.

1½ lb. package	$ .30
25 lb. bag	3.00
50 lb. bag	5.00
100 lbs. in bags	10.00

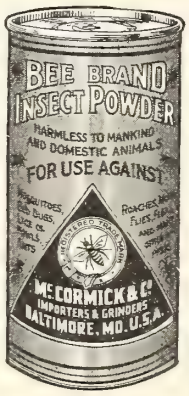
Let us send you a free copy of the Champion booklet on "The Proper Care and Feeding of Dogs."

SERGEANT'S DOG REMEDIES

"ALL WELL KNOWN AND STANDARD"

Sergeant's Distemper Medicine	Price	$1.20
Sergeant's Mange Medicine	Price	.65
Sergeant's Condition Pills	Price	.60
Sergeant's Sure Shot Capsules	Price	.60
Sergeant's Sure Shot Liquid	Price	.60
Sergeant's Tape Worm Medicine	Price	.60
Sergeant's Arsenic and Iron Pills	Price	.60
Sergeant's Canker Wash	Price	.60
Sergeant's Well Mouth	Price	.60
Sergeant's Pepsin Tablets	Price	.60
Sergeant's Diarrhoea Medicine	Price	.60
Sergeant's Cough Medicine	Price	.60
Sergeant's Rheumatic Pills	Price	.60
Sergeant's Dog Rub	Price	.60
Sergeant's Eye Wash	Price	.60
Sergeant's Constipation Capsules	Price	.60
Sergeant's Running Fit Medicine	Price	2.00
Sergeant's Carbolic Tar Soap	Price	.25
Sergeant's Skip-Flea Soap	Price	.25
Sergeant's Skip-Flea Powder	Price	.25

Get Polk Miller's Book on Dog Diseases. Free.



homes free from insects

A safe insecticide. Non-poisonous, non-explosive. Never stains—nor injures plants and animals. Kills flies, fleas, mosquitoes, ants, roaches, bed bugs, water bugs, moths, lice on fowl and plants, etc.

BEE BRAND INSECT POWDER

10c
25c
50c
$1.00

—"it kills them"

LEE'S GERMOZONE FOR POULTRY

Cures Roup, Colds, Canker, Chicken-Pox, Sore Head, Swelled Head, Cholera, Bowel Trouble

Germozone is peculiarly adapted to all these troubles because it may be administered either externally or internally for poultry according as the case may require. The Germozone is antiseptic and healing and has the important property of counteracting, in the chicken's crop, much or all of the musty or poisonous matter which will cause trouble later. It also has a regulating effect upon the bowels. Add to drinking water three times a week.

Germozone comes in liquid form with full directions in each package.

Liquid, 40c and 75c

All prices on this page F. O. B. Baltimore

READ CAREFULLY BEFORE ORDERING

Parcel Post Shipments

We ship by parcel post to any postoffice in the United States, and prepay the postage at postpaid prices as quoted in this catalog.

"By mail postpaid" means we pay the postage.

"Not prepaid" means you pay the cost of transportation.

Parcel Post Rates

POUNDS.	LOCAL.	First Zone, 1 to 50 Miles.	Second Zone, 50 to 150 Miles.	Third Zone, 150 to 300 Miles.	Fourth Zone, 300 to 600 Miles.	Fifth Zone, 600 to 1,000 Miles.	Sixth Zone, 1,000 to 1,400 Miles.	Seventh Zone, 1,400 to 1,800 Miles.	Eighth Zone, all over 1,800 Miles.
1	$ .07	$ .07	$ .07	$ 0.8	$ .0.9	$ .10	$ .11	$ .13	$ .14
2	.08	.08	.08	.10	.13	.16	.19	.23	.26
3	.08	.09	.09	.12	.17	.22	.27	.33	.38
4	.09	.10	.10	.14	.21	.28	.35	.43	.50
5	.09	.11	.11	.16	.25	.34	.43	.53	.62
6	.10	.12	.12	.18	.29	.40	.51	.63	.74
7	.10	.13	.13	.20	.33	.46	.59	.73	.86
8	.11	.14	.14	.22	.37	.52	.67	.83	.98
9	.11	.15	.15	.24	.41	.58	.75	.93	1.10
10	.12	.16	.16	.26	.45	.64	.83	1.03	1.22
11	.12	.17	.17	.28	.49	.70	.91	1.13	1.34
12	.13	.18	.18	.30	.53	.76	.99	1.23	1.46
13	.13	.19	.19	.32	.57	.82	1.07	1.33	1.58
14	.14	.20	.20	.34	.61	.88	1.15	1.43	1.70
15	.14	.21	.21	.36	.65	.94	1.23	1.53	1.82
16	.15	.22	.22	.38	.69	1.00	1.31	1.63	1.94
17	.15	.23	.23	.40	.73	1.06	1.39	1.73	2.06
18	.16	.24	.24	.42	.77	1.12	1.47	1.83	2.18
19	.16	.25	.25	.44	.81	1.18	1.55	1.93	2.30
20	.17	.26	.26	.46	.85	1.24	1.63	2.03	2.42
21	.17	.27	.27	.48	.89	1.30	1.71	2.13	2.54
22	.18	.28	.28	.50	.93	1.36	1.79	2.23	2.66
23	.18	.29	.29	.52	.97	1.42	1.87	2.33	2.78
24	.19	.30	.30	.54	1.01	1.48	1.95	2.43	2.90
25	.19	.31	.31	.56	1.05	1.54	2.03	2.53	3.02
26	.20	.32	.32	.58	1.09	1.60	2.11	2.63	3.14
27	.20	.33	.33	.60	1.13	1.66	2.19	2.73	3.26
28	.21	.34	.34	.62	1.17	1.72	2.27	2.83	3.38
29	.21	.35	.35	.64	1.21	1.78	2.35	2.93	3.50
30	.22	.36	.36	.66	1.25	1.84	2.43	3.03	3.62
31	.22	.37	.37	.68	1.29	1.90	2.51	3.13	3.74
32	.23	.38	.38	.70	1.33	1.96	2.59	3.23	3.86
33	.23	.39	.39	.72	1.37	2.02	2.67	3.33	3.98
34	.24	.40	.40	.74	1.41	2.08	2.75	3.43	4.10
35	.24	.41	.41	.76	1.45	2.14	2.83	3.53	4.22
36	.25	.42	.42	.78	1.49	2.20	2.91	3.63	4.34
37	.25	.43	.43	.80	1.53	2.26	2.99	3.73	4.46
38	.26	.44	.44	.82	1.57	2.32	3.07	3.83	4.58
39	.26	.45	.45	.84	1.61	2.38	3.15	3.93	4.70
40	.27	.46	.46	.86	1.65	2.44	3.23	4.03	4.82
41	.27	.47	.47	.88	1.69	2.50	3.31	4.13	4.94
42	.28	.48	.48	.90	1.73	2.56	3.39	4.23	5.06
43	.28	.49	.49	.92	1.77	2.62	3.47	4.33	5.18
44	.29	.50	.50	.94	1.81	2.68	3.55	4.43	5.30
45	.29	.51	.51	.96	1.85	2.74	3.63	4.53	5.42
46	.30	.52	.52	.98	1.89	2.80	3.71	4.63	5.54
47	.30	.53	.53	1.00	1.93	2.86	3.79	4.73	5.66
48	.31	.54	.54	1.02	1.97	2.92	3.87	4.83	5.78
49	.31	.55	.55	1.04	2.01	2.98	3.95	4.93	5.90
50	.32	.56	.56	1.06	2.05	3.04	4.03	5.03	6.02
51	.32	.57	.57	1.08					
52	.33	.58	.58	1.10					
53	.33	.59	.59	1.12					
54	.34	.60	.60	1.14					
55	.34	.61	.61	1.16					
56	.35	.62	.62	1.18					
57	.35	.63	.63	1.20					
58	.36	.64	.64	1.22					
59	.36	.65	.65	1.24					
60	.37	.66	.66	1.26					
61	.37	.67	.67	1.28					
62	.38	.68	.68	1.30					
63	.38	.69	.69	1.32					
64	.39	.70	.70	1.34					
65	.39	.71	.71	1.36					
66	.40	.72	.72	1.38					
67	.40	.73	.73	1.40					
68	.41	.74	.74	1.42					
69	.41	.75	.75	1.44					
70	.42	.76	.76	1.46					

NOTE CAREFULLY

Poisons or Poisonous Insecticides cannot be sent Parcel Post

United States Parcel Post Map Showing Zones from Baltimore, Md.

UNITED STATES PARCEL POST RATES—FOURTH-CLASS MATTER

SEEDS, PLANTS, BULBS, ROOTS, GARDEN, LAWN AND POULTRY SUPPLIES

Size of Parcel that can be sent by Parcel Post

Size of package that can be sent by Parcel Post cannot be over 84 inches in length and girth combined.

The rate of postage on mailable parcels of seeds, cuttings, bulbs, roots and plants, weighing 8 oz. or less, shall be 1c for each 2 oz. or fraction thereof, regardless of distance, and on those weighing more than 8 oz. the pound rates shown in table shall apply.

Weights by Parcel Post

Parcels up to 70 lbs. can be sent by Parcel Post in the local, 1st, 2nd and 3rd zones, and up to 50 lbs. in all other zones.

To points further than the 2nd zone, on weight of over 10 lbs., the charge by freight or express is usually more economical.

Rate Table

	First Lb. or Fraction	Each Additional Lb. or Fraction
Local Rate, Baltimore and Suburbs only	7c	1c
First Zone, within 50 miles of Baltimore City.....	7c	1c
Second Zone, within 150 miles of Baltimore City.	7c	1c
Third Zone, within 300 miles of Baltimore City...	8c	2c
Fourth Zone, within 600 miles of Baltimore City..	9c	4c
Fifth Zone, within 1,000 miles of Baltimore City..	10c	6c
Sixth Zone, within 1,400 miles of Baltimore City...	11c	8c
Seventh Zone, within 1,800 miles of Baltimore City	13c	10c
Eighth Zone, all over 1,800 miles from Baltimore.	14c	12c

On most of the articles listed in this Catalogue, we have given the mailing weight. By referring to the Parcel Post Map above, you can easily see in what zone you are located, and from Rate Table, you can easily determine the amount of postage required.

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